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## TABLES OF THE COEFFICIENTS A

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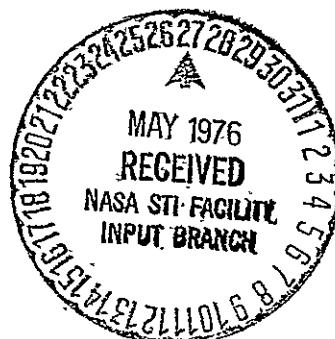
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TABLES OF THE COEFFICIENTS A

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November 1974

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## TABLES OF THE COEFFICIENTS A

### INTRODUCTION

The angular distribution for the rotationally elastic or inelastic scattering of an electron from a diatomic molecule can be written as (Arthurs and Dalgarno 1960)

$$\frac{d\sigma_{j_1 \rightarrow j_2}}{d\Omega} = \frac{k_{j_1 j_2}^{-2}}{4(2j_1 + 1)} \sum_{L=0}^{\infty} A_L^{(j_1 j_2)}(E) P_L(\cos \theta). \quad (1)$$

Here  $j_1$  and  $j_2$  are, respectively, the initial and the final rotational states of the target molecule and  $E$  is the impact energy of the incident electron.

$P_L(\cos \theta)$  is a Legendre polynomial of order  $L$  with angle  $\theta$  defining the direction of scattering measured with respect to the incident beam direction as polar axis. The explicit expression for the coefficient  $A$  for scattering of an electron from a diatomic molecule in its singlet sigma electronic state has been simplified by Chandra (1975).

In the following tables we have tabulated the coefficients  $A$ 's for  $e^- - N_2$  scattering in the energy range from 0.20 eV to 10.0 eV. The five different rotational states ( $j_1 = 0, 1, 2, 3, 4$ ) are considered. It was found that the values of  $A$ 's were non-negligible only for the transitions  $j_2 = j_1, j_1 \pm 2, j_1 \pm 4$ . Therefore, in the following tables the values of the coefficients for  $j_2 = j_1, j_1 + 2, j_1 + 4$  are only given. [Due to a symmetry relation these will also give the coefficients for the transitions  $j_2 = j_1 - 2, j_1 - 4$  (Chandra 1975).]

The different kinds of the integrated cross-sections, e. g., the elastic and the rotational excitation and de-excitation cross-section, the momentum transfer cross-section, and the viscosity cross-section, can be calculated by using the values of these coefficients in the appropriate formulae (Chandra 1975).

### REFERENCES

Arthurs, A. M. and Dalgarno, A., 1960 Proc. R. Soc. 4 256-540.  
 Chandra, N., 1975 J. Phys. B: Atom. Molec. Phys. 8 1338.

	E = 0.20 eV, j = 0	j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.596281D-01	3.952449D-03	6.136134D-06
2	A% 1< #	-8.183341D-02	-1.006005D-03	9.243575D-06
3	A% 2< #	-2.960046D-02	-2.644709D-05	9.689349D-06
4	A% 3< #	-8.769026D-03	-3.958915D-04	5.273212D-06
5	A% 4< #	-4.712441D-03	-6.932235D-04	-4.971669D-07
6	A% 5< #	-3.545485D-03	-8.298069D-04	-6.390943D-06
7	A% 6< #	7.458182D-04	-3.287646D-04	-8.873622D-06
8	A% 7< #	1.411841D-03	-2.350843D-04	-1.029624D-05
9	A% 8< #	1.358517D-03	-2.161696D-04	-5.728143D-06
10	A% 9< #	1.185285D-03	-2.227796D-04	-7.522004D-07
11	A% 10< #	1.055793D-03	-2.457580D-04	-2.943275D-06
12	A% 11< #	1.022757D-03	-2.516323D-04	6.040490D-06
13	A% 12< #	9.234694D-04	5.844368D-05	8.274501D-06
14	A% 13< #	-4.478875D-04	1.286549D-04	5.948405D-06
15	A% 14< #	-1.732733D-04	1.122497D-04	-2.366989D-06
16	A% 15< #	-6.840236D-05	9.182026D-05	-1.809149D-06
17	A% 16< #	-2.391113D-05	7.069482D-05	-3.390405D-06
18	A% 17< #	-2.189249D-06	4.677578D-05	-9.703485D-07
19	A% 18< #	-8.913460D-06	2.762640D-05	-2.735530D-07
20	A% 19< #	1.021325D-05	1.851622D-05	-1.057192D-07
21	A% 20< #	8.606422D-06	1.232681D-05	-3.581280D-08
22	A% 21< #	6.185509D-06	7.680637D-06	1.934187D-07
23	A% 22< #	3.993720D-06	-4.034401D-06	-3.307948D-07
24	A% 23< #	2.101785D-06	1.456425D-06	3.316577D-07
25	A% 24< #	8.416227D-07	-5.817025D-07	-1.281578D-07

	E = 0.60 eV, j = 0	j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	6.047387D-01	1.714574D-02	-9.257046D-05
2	A% 1< #	-1.530813D-01	-1.144968D-02	1.626925D-05
3	A% 2< #	-2.111645D-01	2.466011D-03	-6.122239D-05
4	A% 3< #	-5.892933D-02	-1.135318D-03	1.279011D-05
5	A% 4< #	-2.252918D-02	-1.734548D-03	-2.314121D-05
6	A% 5< #	-1.534965D-02	-2.653862D-03	-1.133177D-05
7	A% 6< #	9.805037D-04	-5.499002D-04	-2.849109D-05
8	A% 7< #	4.803898D-03	-3.564402D-04	-6.087666D-06
9	A% 8< #	-4.369140D-03	-3.173006D-04	-3.566337D-06
10	A% 9< #	3.500650D-03	-3.765530D-04	-2.718226D-06
11	A% 10< #	-2.921764D-03	-5.058925D-04	-2.668039D-06
12	A% 11< #	2.743822D-03	-6.796208D-04	1.787286D-05
13	A% 12< #	2.223684D-03	3.162556D-04	2.440947D-05
14	A% 13< #	-1.031310D-03	3.445986D-04	1.915442D-05
15	A% 14< #	-6.440418D-04	2.946884D-04	-6.981361D-06
16	A% 15< #	-2.748682D-04	2.515885D-04	-7.278009D-06
17	A% 16< #	-1.306904D-04	1.963324D-04	-1.168582D-05
18	A% 17< #	-5.543053D-05	1.292528D-04	-3.172530D-06
19	A% 18< #	-1.196192D-05	7.531373D-05	-1.165121D-06
20	A% 19< #	3.065535D-06	4.820164D-05	2.976096D-07
21	A% 20< #	7.224821D-06	3.045382D-05	-2.272947D-07
22	A% 21< #	6.886960D-06	1.768839D-05	5.226003D-07
23	A% 22< #	5.177963D-06	-8.435882D-06	-6.594849D-07
24	A% 23< #	2.980722D-06	2.200740D-06	6.040950D-07
25	A% 24< #	1.273437D-06	9.199457D-07	-2.339240D-07

$E = 1.00 \text{ eV}, j = 0$	$j' = j$	$j' = j + 2$	$j' = j + 4$
1	A% 0< # 1.0057107D-00	3.08793700-02	1.336000D-03
2	A% 1< # 7.079705D-04	-3.600321D-02	-7.041140D-05
3	A% 2< # -5.183316D-01	1.251508D-02	6.090239D-04
4	A% 3< # -1.628485D-01	-1.891232D-03	1.289133D-05
5	A% 4< # -3.529005D-02	-2.664210D-03	4.870550D-04
6	A% 5< # -2.342157D-02	-4.535869D-03	3.698365D-05
7	A% 6< # -3.837256D-03	-2.151418D-04	3.198478D-04
8	A% 7< # 1.165048D-02	-2.074899D-05	1.071524D-04
9	A% 8< # -9.403912D-03	1.4375800-04	4.150327D-05
10	A% 9< # 6.842759D-03	-2.248686D-05	-2.544251D-05
11	A% 10< # -5.200357D-03	-3.693810D-04	-3.982274D-05
12	A% 11< # 4.503656D-03	-9.243206D-04	1.762064D-05
13	A% 12< # 3.207748D-03	8.018994D-04	-2.869432D-05
14	A% 13< # -8.916944D-04	5.137702D-04	3.687660D-05
15	A% 14< # -9.421948D-04	4.358265D-04	1.422163D-05
16	A% 15< # -3.806236D-04	3.978220D-04	-1.410345D-05
17	A% 16< # -1.980051D-04	3.1602380-04	-2.126837D-05
18	A% 17< # -9.793910D-05	2.0995630-04	-5.934295D-06
19	A% 18< # -3.565223D-05	1.235360D-04	-1.923751D-06
20	A% 19< # -1.020221D-05	7.702730D-05	1.044504D-06
21	A% 20< # -2.588782D-09	4.684612D-05	7.862208D-07
22	A% 21< # 3.199982D-06	2.567716D-05	9.120559D-07
23	A% 22< # -3.481456D-06	1.123536D-05	-8.599123D-07
24	A% 23< # 2.337739D-06	1.890438D-06	6.523712D-07
25	A% 24< # 1.096966D-06	8.399046D-07	-2.530344D-07

$E = 1.40 \text{ eV}, j = 0$	$j' = j$	$j' = j + 2$	$j' = j + 4$
1	A% 0< # 1.512007D-00	-6.9367010-02	1.190418D-02
2	A% 1< # 8.056482D-01	-8.190246D-02	-4.850538D-04
3	A% 2< # -9.210600D-01	3.043303D-02	6.075867D-03
4	A% 3< # -3.620723D-01	-2.800099D-03	1.754608D-06
5	A% 4< # -1.040412D-02	3.002340D-03	4.664603D-04
6	A% 5< # -6.698186D-03	-5.904198D-03	2.546977D-04
7	A% 6< # 3.031716D-02	-7.189157D-04	1.353387D-03
8	A% 7< # 2.850692D-02	7.777142D-04	6.362484D-04
9	A% 8< # 1.976794D-02	-1.587756D-03	-2.031132D-04
10	A% 9< # 1.293048D-02	1.276974D-03	-9.241341D-04
11	A% 10< # 8.772952D-03	5.313523D-04	2.209910D-04
12	A% 11< # 6.767789D-03	-2.256388D-04	-1.586222D-05
13	A% 12< # 4.282935D-03	1.659110D-03	4.670610D-05
14	A% 13< # -1.254865D-04	6.295665D-04	6.333506D-05
15	A% 14< # -9.388882D-04	-5.281321D-04	-2.772040D-05
16	A% 15< # -3.056487D-04	5.373616D-04	-2.183314D-05
17	A% 16< # -1.787233D-04	4.351419D-04	3.186097D-05
18	A% 17< # -1.005913D-04	2.935141D-04	-3.359268D-06
19	A% 18< # -4.369478D-05	1.762998D-04	3.315507D-06
20	A% 19< # -1.795781D-05	1.083943D-04	4.957225D-06
21	A% 20< # -5.681389D-06	6.414472D-05	4.586412D-06
22	A% 21< # -3.916946D-07	3.330193D-05	4.412048D-06
23	A% 22< # -1.342987D-06	1.337462D-05	3.316074D-07
24	A% 23< # 1.273504D-06	1.319842D-05	5.884937D-07
25	A% 24< # 7.146383D-07	6.093624D-07	3.289004D-07

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	E = 1.80 eV, j = 0	j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.074845D-00	1.228699D-01	9.702930D-02
2	A% 1< #	5.710997D-01	-1.692209D-01	-1.664080D-03
3	A% 2< #	-1.347209D-00	9.301463D-02	-4.548338D-02
4	A% 3< #	-6.729716D-01	-4.956087D-03	8.776166D-05
5	A% 4< #	4.252261D-01	-1.260127D-02	-4.327365D-03
6	A% 5< #	9.946949D-02	-5.026895D-03	1.014094D-03
7	A% 6< #	8.518228D-02	-2.582164D-03	-4.720506D-03
8	A% 7< #	7.680996D-02	2.070948D-03	1.937983D-03
9	A% 8< #	4.585377D-02	-5.463564D-03	-7.122717D-04
10	A% 9< #	2.706777D-02	5.041904D-03	-4.779658D-04
11	A%10< #	1.633859D-02	-3.477201D-03	-3.549783D-04
12	A%11< #	1.090246D-02	7.078548D-04	-2.851392D-04
13	A%12< #	6.178943D-03	-3.438493D-03	-2.411388D-04
14	A%13< #	1.322809D-03	6.856398D-04	1.088908D-04
15	A%14< #	-5.670579D-04	5.404930D-04	5.592508D-05
16	A%15< #	-1.039633D-05	6.736247D-04	-3.025596D-05
17	A%16< #	-4.956228D-05	5.564139D-04	-4.332740D-05
18	A%17< #	-4.882938D-05	3.822944D-04	-4.349013D-05
19	A%18< #	-2.681481D-05	-2.356186D-04	-2.225493D-06
20	A%19< #	-1.437084D-05	1.440036D-04	2.943807D-06
21	A%20< #	-6.827382D-06	-8.367237D-05	-2.598276D-06
22	A%21< #	-2.546773D-06	4.237529D-05	2.048805D-06
23	A%22< #	-3.623614D-07	-1.638064D-05	-1.141592D-06
24	A%23< #	3.404100D-07	5.375498D-07	4.692038D-07
25	A%24< #	3.273480D-07	-3.307148D-07	-1.831949D-07

	E = 2.00 eV, j = 0	j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.573436D-00	-1.959843D-01	-3.134320D-01
2	A% 1< #	6.467695D-01	-2.470936D-01	-2.403944D-03
3	A% 2< #	-1.202251D-00	-1.154225D-01	-1.300243D-01
4	A% 3< #	-9.702625D-01	-6.086131D-03	3.155815D-04
5	A% 4< #	1.238797D-00	-5.424938D-02	-1.107611D-02
6	A% 5< #	2.503893D-01	-2.082653D-03	1.962870D-03
7	A% 6< #	1.700608D-01	-4.275026D-03	-8.828361D-03
8	A% 7< #	1.335739D-01	2.965253D-03	3.648179D-03
9	A% 8< #	7.510045D-02	-9.787130D-03	-1.325084D-03
10	A% 9< #	4.243344D-02	9.391913D-03	-9.288198D-04
11	A%10< #	2.432462D-02	-7.015938D-03	-1.654765D-03
12	A%11< #	1.503742D-02	2.663873D-03	-6.294509D-04
13	A%12< #	8.079753D-03	-5.236302D-03	-5.528493D-04
14	A%13< #	2.491448D-03	6.932907D-04	1.473692D-04
15	A%14< #	-1.998674D-04	-4.922443D-04	-8.244438D-05
16	A%15< #	2.281946D-04	7.412387D-04	-3.468611D-05
17	A%16< #	6.104603D-05	-6.184161D-04	-4.936114D-05
18	A%17< #	4.651846D-07	4.291302D-04	-1.582933D-05
19	A%18< #	-7.113788D-06	-2.681508D-04	-1.976220D-06
20	A%19< #	-7.119867D-06	1.637495D-04	3.446152D-06
21	A%20< #	-4.705545D-06	-9.454508D-05	-3.177758D-06
22	A%21< #	-2.323835D-06	4.730525D-05	2.423790D-06
23	A%22< #	-6.849898D-07	-1.796238D-05	-1.239998D-06
24	A%23< #	3.700904D-08	2.640285D-07	4.004135D-07
25	A%24< #	-1.736939D-07	-2.112515D-07	-1.567228D-07

ORIGINAL PAGE IS  
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E = 2.10 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A%	0< #	3.019023D-00	-2.354563D-01
2	A%	1< #	6.939776D-01	-2.966619D-01
3	A%	2< #	-5.541680D-01	-3.053304D-02
4	A%	3< #	-1.169668D-00	-5.096589D-03
5	A%	4< #	2.169801D-00	-1.127243D-01
6	A%	5< #	3.723227D-01	5.115741D-04
7	A%	6< #	2.371862D-01	5.447447D-03
8	A%	7< #	1.771609D-01	3.477012D-03
9	A%	8< #	9.723767D-02	1.299083D-02
10	A%	9< #	5.404267D-02	1.266057D-02
11	A%	10< #	3.036321D-02	9.703030D-03
12	A%	11< #	1.814119D-02	4.186341D-03
13	A%	12< #	9.536736D-03	-6.534453D-03
14	A%	13< #	3.294859D-03	6.988815D-04
15	A%	14< #	7.224819D-05	-4.515614D-04
16	A%	15< #	3.713039D-04	7.749412D-04
17	A%	16< #	1.284874D-04	-6.497812D-04
18	A%	17< #	3.137557D-05	4.532192D-04
19	A%	18< #	5.826640D-06	-2.851897D-04
20	A%	19< #	-1.966030D-06	1.741547D-04
21	A%	20< #	-2.894995D-06	-1.002950D-04
22	A%	21< #	-1.860419D-06	4.993041D-05
23	A%	22< #	-6.935410D-07	-1.882770D-05
24	A%	23< #	-5.854025D-08	1.538513D-07
25	A%	24< #	1.122848D-07	-1.589612D-07

E = 2.20 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A%	0< #	3.767235D-00	-6.775162D-01
2	A%	1< #	6.726113D-01	-3.356306D-01
3	A%	2< #	1.377562D-00	-6.590203D-02
4	A%	3< #	-1.355809D-00	9.915236D-04
5	A%	4< #	3.885069D-00	-2.401940D-01
6	A%	5< #	5.060752D-01	3.131424D-03
7	A%	6< #	3.100401D-01	-6.684781D-03
8	A%	7< #	2.242535D-01	3.945525D-03
9	A%	8< #	1.214140D-01	-1.627211D-02
10	A%	9< #	6.689005D-02	1.602240D-02
11	A%	10< #	3.715607D-02	-1.246726D-02
12	A%	11< #	2.171025D-02	5.743969D-03
13	A%	12< #	1.131815D-02	-7.859871D-03
14	A%	13< #	4.285768D-03	7.223372D-04
15	A%	14< #	4.812873D-04	-4.219462D-04
16	A%	15< #	5.308654D-04	8.087155D-04
17	A%	16< #	2.042928D-04	-6.814854D-04
18	A%	17< #	6.559683D-05	4.777821D-04
19	A%	18< #	2.088849D-05	-3.027613D-04
20	A%	19< #	4.260359D-06	1.849290D-04
21	A%	20< #	-5.516944D-07	-1.062650D-04
22	A%	21< #	-1.142995D-06	5.267009D-05
23	A%	22< #	-5.895436D-07	-1.974814D-05
24	A%	23< #	-1.116262D-07	6.453116D-08
25	A%	24< #	6.302826D-08	-1.127947D-07

E = 2.30 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.918092D-00	8.660225D-01	2.373674D-00
2	A% 1< #	8.641473D-01	-2.905390D-01	8.360346D-03
3	A% 2< #	6.113615D-00	-4.623765D-01	9.799053D-01
4	A% 3< #	-1.280334D-00	2.137668D-02	1.715289D-03
5	A% 4< #	6.587480D-00	-4.904624D-01	-6.087765D-02
6	A% 5< #	4.941989D-01	1.147240D-03	3.275030D-03
7	A% 6< #	3.037337D-01	-6.826488D-03	1.463014D-02
8	A% 7< #	2.227104D-01	4.032655D-03	6.029302D-03
9	A% 8< #	1.224598D-01	-1.550951D-02	2.179759D-03
10	A% 9< #	6.853903D-02	1.520880D-02	-1.590283D-03
11	A% 10< #	3.880124D-02	-1.171819D-02	-2.826669D-03
12	A% 11< #	2.287498D-02	5.183696D-03	-1.196944D-03
13	A% 12< #	1.234605D-02	-7.633005D-03	-1.059081D-03
14	A% 13< #	5.189498D-03	7.974411D-04	1.792909D-04
15	A% 14< #	1.156769D-03	-4.963234D-04	-1.018581D-04
16	A% 15< #	7.070481D-04	3.425309D-04	-4.154020D-05
17	A% 16< #	2.885855D-04	-7.135132D-04	-5.873597D-05
18	A% 17< #	1.062193D-04	5.028354D-04	-1.969308D-05
19	A% 18< #	3.814359D-05	-3.208825D-04	1.322331D-06
20	A% 19< #	1.159513D-05	1.960865D-04	4.195446D-06
21	A% 20< #	2.346659D-06	-1.124660D-04	4.133838D-06
22	A% 21< #	-1.583995D-07	5.553250D-05	3.061340D-06
23	A% 22< #	-3.656393D-07	-2.072839D-05	1.420298D-06
24	A% 23< #	-1.137483D-07	-1.737114D-09	2.955310D-07
25	A% 24< #	-2.716593D-08	-7.354859D-08	1.162244D-07

E = 2.32 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.157549D-00	-9.660483D-01	-2.652726D-00
2	A% 1< #	9.539472D-01	-2.591126D-01	1.099435D-02
3	A% 2< #	7.447636D-00	-5.916397D-01	-1.094914D-00
4	A% 3< #	-1.188022D-00	2.799598D-02	1.811700D-03
5	A% 4< #	-7.134764D-00	-6.524856D-01	-6.666992D-02
6	A% 5< #	4.412982D-01	-7.160280D-04	2.928632D-03
7	A% 6< #	2.752807D-01	-6.486805D-03	-1.319069D-02
8	A% 7< #	2.057223D-01	3.949438D-03	5.423599D-03
9	A% 8< #	1.146200D-01	-1.405290D-02	-1.966629D-03
10	A% 9< #	6.487232D-02	1.369244D-02	-1.429832D-03
11	A% 10< #	3.717390D-02	-1.042967D-02	-2.545019D-03
12	A% 11< #	2.217338D-02	4.390465D-03	-1.078577D-03
13	A% 12< #	-1.219230D-02	-7.087251D-03	-9.498319D-04
14	A% 13< #	5.274379D-03	8.211560D-04	1.669795D-04
15	A% 14< #	1.328010D-03	-5.391962D-04	-9.163188D-05
16	A% 15< #	7.442997D-04	8.492996D-04	-4.200964D-05
17	A% 16< #	3.664759D-04	-7.199589D-04	-5.937693D-05
18	A% 17< #	1.146794D-04	5.079053D-04	-1.996548D-05
19	A% 18< #	4.186258D-05	-3.245731D-04	-1.267434D-06
20	A% 19< #	1.319810D-05	1.983643D-04	4.244911D-06
21	A% 20< #	2.994663D-06	-1.137344D-04	-4.201211D-06
22	A% 21< #	7.167623D-08	5.612009D-05	3.107157D-06
23	A% 22< #	-3.058878D-07	-2.093186D-05	-1.433897D-06
24	A% 23< #	-1.143703D-07	-1.204343D-08	2.886552D-07
25	A% 24< #	-2.170443D-08	-6.659684D-08	-1.135676D-07

	E = 2.34 eV, j = 0	j' = j	j' = j + 2	j' = j + 4
1	A% 0< # -5.372576D-00	1.066692D-00	-2.923118D-00	
2	A% 1< # 1.066362D-00	-2.184198D-01	1.386333D-02	
3	A% 2< # 8.838206D-00	-7.318400D-01	-1.206307D-00	
4	A% 3< # -1.061581D-00	3.530044D-02	1.877993D-03	
5	A% 4< # -7.611017D-00	6.134945D-01	-7.200108D-02	
6	A% 5< # 3.640905D-01	-3.256123D-03	2.436459D-03	
7	A% 6< # -2.338086D-01	5.972668D-03	-1.113611D-02	
8	A% 7< # 1.807572D-01	3.824994D-03	4.561881D-03	
9	A% 8< # 1.029063D-01	-1.199060D-02	-1.662870D-03	
10	A% 9< # 5.926059D-02	1.154550D-02	-1.199605D-03	
11	A% 10< # -3.458077D-02	-8.610820D-03	-2.140676D-03	
12	A% 11< # 2.100065D-02	3.280974D-03	-9.046864D-04	
13	A% 12< # -1.184475D-02	6.309074D-03	-7.901102D-04	
14	A% 13< # 5.299347D-03	8.468845D-04	1.506030D-04	
15	A% 14< # -1.505079D-03	-5.936531D-04	-7.816911D-05	
16	A% 15< # 7.822289D-04	8.560700D-04	-4.247752D-05	
17	A% 16< # -3.247145D-04	-7.264180D-04	-6.601870D-05	
18	A% 17< # 1.233204D-04	5.129947D-04	-2.023974D-05	
19	A% 18< # 4.567225D-05	-3.282857D-04	-1.210434D-06	
20	A% 19< # 1.484720D-05	2.006575D-04	4.294251D-06	
21	A% 20< # -3.666050D-06	-1.150122D-04	-4.269027D-06	
22	A% 21< # 3.130615D-07	5.671255D-05	3.153388D-06	
23	A% 22< # -2.409846D-07	2.113770D-05	-1.447691D-06	
24	A% 23< # -1.080009D-07	-2.133449D-08	2.818049D-07	
25	A% 24< # -1.683417D-08	-5.995763D-08	-1.109219D-07	

	E = 2.36 eV, j = 0	j' = j	j' = j + 2	j' = j + 4
1	A% 0< # 5.546466D-00	1.162199D-06	-3.166754D-00	
2	A% 1< # 1.200425D-00	-1.692496D-01	1.686169D-02	
3	A% 2< # -1.021198D-01	-8.766374D-01	-1.306658D-00	
4	A% 3< # -9.024226D-01	4.299453D-02	1.898795D-03	
5	A% 4< # 7.573228D-00	-6.696180D-01	-7.645779D-02	
6	A% 5< # 2.623537D-01	-6.463488D-03	1.799778D-03	
7	A% 6< # -1.792354D-01	5.284248D-03	-8.468640D-03	
8	A% 7< # 1.477706D-01	3.663521D-03	3.445513D-03	
9	A% 8< # -8.728331D-02	-9.329408D-03	-1.269013D-03	
10	A% 9< # 5.167411D-02	8.774237D-03	-8.996034D-04	
11	A% 10< # -3.099723D-02	-6.266758D-03	-1.613661D-03	
12	A% 11< # 1.934047D-02	1.859239D-03	-6.745900D-04	
13	A% 12< # -1.128994D-02	-5.301160D-03	-5.793323D-04	
14	A% 13< # 5.256122D-03	8.733693D-04	1.304559D-04	
15	A% 14< # -1.681658D-03	-6.586987D-04	-6.168790D-05	
16	A% 15< # 8.208330D-04	8.628432D-04	-4.294618D-05	
17	A% 16< # -3.432999D-04	-7.328920D-04	-6.066176D-05	
18	A% 17< # 1.321418D-04	5.181047D-04	-2.051580D-05	
19	A% 18< # 4.957249D-05	-3.320210D-04	-1.161982D-06	
20	A% 19< # 1.654245D-05	2.029667D-04	4.343555D-06	
21	A% 20< # -4.360764D-06	-1.162993D-04	-4.337276D-06	
22	A% 21< # 5.658062D-07	5.731000D-05	3.200019D-06	
23	A% 22< # -1.709081D-07	-2.134610D-05	-1.461693D-06	
24	A% 23< # -9.961180D-08	-2.958802D-08	2.749876D-07	
25	A% 24< # -1.256394D-08	-5.363662D-08	-1.482882D-07	

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	E = 2.38 eV, j = 0	j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.663917D-00	1.246184D-00	3.365067D-00
2	A% 1< #	1.352279D-00	-1.136112D-01	1.982381D-02
3	A% 2< #	1.148160D-01	-1.017736D-00	1.388266D-00
4	A% 3< #	-7.163233D-01	5.066687D-02	1.865517D-03
5	A% 4< #	-8.183027D-00	-7.167397D-01	-7.964499D-02
6	A% 5< #	1.388520D-01	-1.024363D-02	1.037518D-03
7	A% 6< #	-1.130821D-01	-4.443154D-03	6.267156D-03
8	A% 7< #	1.077015D-01	3.474512D-03	2.107876D-03
9	A% 8< #	6.819238D-02	6.151876D-03	-7.968455D-04
10	A% 9< #	4.232137D-02	5.463254D-03	-5.384364D-04
11	A%10< #	-2.651603D-02	-3.468735D-03	-9.791694D-04
12	A%11< #	1.723331D-02	1.686162D-04	-3.943831D-04
13	A%12< #	-1.053722D-02	-4.095126D-03	-3.231328D-04
14	A%13< #	5.143242D-03	8.989679D-04	1.073523D-04
15	A%14< #	1.850412D-03	-7.317887D-04	-4.283503D-05
16	A%15< #	8.601162D-04	8.696181D-04	-4.341542D-05
17	A%16< #	-3.622348D-04	-7.393803D-04	-6.130609D-05
18	A%17< #	1.411452D-04	5.232351D-04	-2.079383D-05
19	A%18< #	5.356413D-05	-3.357789D-04	-1.091935D-06
20	A%19< #	1.828430D-05	2.052918D-04	4.392772D-06
21	A%20< #	5.079055D-06	1.175961D-04	-4.405984D-06
22	A%21< #	8.300397D-07	5.791283D-05	3.247087D-06
23	A%22< #	-9.559962D-08	-2.155710D-05	1.476902D-06
24	A%23< #	-8.918129D-08	-3.679377D-08	2.682008D-07
25	A%24< #	8.902357D-09	4.763937D-08	-1.056674D-07

	E = 2.40 eV, j = 0	j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.714526D-00	-1.312817D-00	-3.502320D-00
2	A% 1< #	1.515318D-00	-5.459637D-02	2.257124D-02
3	A% 2< #	1.256062D-01	-1.146155D-00	-1.444684D-00
4	A% 3< #	-5.132139D-01	5.784849D-02	1.775322D-03
5	A% 4< #	3.215660D-00	-7.512948D-01	-8.127984D-02
6	A% 5< #	-5.478735D-04	-1.441827D-02	1.867182D-04
7	A% 6< #	3.357183D-02	-3.494479D-03	1.685130D-03
8	A% 7< #	6.251762D-02	3.272488D-03	-6.146403D-04
9	A% 8< #	4.653796D-02	-2.615516D-03	-2.688795D-04
10	A% 9< #	3.164931D-02	1.775672D-03	-1.336220D-04
11	A%10< #	2.134924D-02	-3.539515D-04	-2.679109D-04
12	A%11< #	1.477775D-02	-1.708371D-03	-7.720183D-05
13	A%12< #	-9.620451D-03	-2.751539D-03	-3.382641D-05
14	A%13< #	4.967024D-03	9.219089D-04	8.249218D-05
15	A%14< #	2.003493D-03	-8.090275D-04	-2.265045D-05
16	A%15< #	8.999045D-04	8.764000D-04	-4.382262D-05
17	A%16< #	3.814488D-04	-7.458840D-04	-6.189513D-05
18	A%17< #	1.503103D-04	5.283795D-04	-2.108360D-05
19	A%18< #	5.765097D-05	-3.395534D-04	-1.022647D-06
20	A%19< #	2.007309D-05	2.076333D-04	4.441878D-06
21	A%20< #	5.821120D-06	-1.189029D-04	-4.475138D-06
22	A%21< #	1.105871D-06	5.852097D-05	3.294605D-06
23	A%22< #	-1.499962D-08	-2.177093D-05	-1.490349D-06
24	A%23< #	-7.662538D-08	-4.293794D-08	2.614447D-07
25	A%24< #	5.658116D-09	-4.197141D-08	-1.030606D-07

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E = 2.42 eV, j = 0       $j' = j$        $j' = j + 2$        $j' = j + 4$

1 - A% 0< # 5.695536D-00 1.358077D-00 3.569524D-00  
 2 - A% 1< # 1.681173D-00 4.093220D-03 2.490997D-02  
 3 - A% 2< # 1.338104D-01 -1.253943D-00 1.472255D-00  
 4 - A% 3< # -3.056951D-01 6.411757D-02 1.631061D-03  
 5 - A% 4< # -8.066903D-00 -7.710593D-01 8.122070D-02  
 6 - A% 5< # -1.477102D-01 -1.874918D-02 -7.016873D-04  
 7 - A% 6< # -3.999266D-02 -2.495625D-03 -2.054546D-03  
 8 - A% 7< # 1.488397D-02 3.074196D-03 -9.461148D-04  
 9 - A% 8< # -2.369432D-02 -1.067346D-03 -2.814362D-04  
 10 - A% 9< # 2.032470D-02 -2.068434D-03 2.912415D-04  
 11 - A% 10< # 1.582194D-02 -2.892534D-03 4.782930D-04  
 12 - A% 11< # 1.213071D-02 -3.660729D-03 2.584131D-04  
 13 - A% 12< # -8.600308D-03 1.351658D-03 -2.722637D-04  
 14 - A% 13< # 4.744233D-03 9.406008D-04 5.765871D-05  
 15 - A% 14< # -2.135885D-03 8.657297D-04 -2.372488D-06  
 16 - A% 15< # 9.405450D-04 8.831777D-04 -4.429343D-05  
 17 - A% 16< # -4.010815D-04 -7.524002D-04 -6.254161D-05  
 18 - A% 17< # 1.596779D-04 5.335505D-04 -2.136568D-05  
 19 - A% 18< # -6.182578D-05 -3.433566D-04 -9.593872D-07  
 20 - A% 19< # 2.190886D-05 2.099902D-04 4.490850D-06  
 21 - A% 20< # -6.587019D-06 -1.202191D-04 -4.544681D-06  
 22 - A% 21< # 1.393354D-06 5.913430D-05 3.342531D-06  
 23 - A% 22< # -7.093057D-08 -2.198741D-05 -1.505018D-06  
 24 - A% 23< # -6.209774D-08 -4.800027D-08 2.547273D-07  
 25 - A% 24< # -3.439550D-09 -3.663816D-08 -1.004685D-07

E = 2.44 eV, j = 0       $j' = j$        $j' = j + 2$        $j' = j + 4$

1 - A% 0< # -5.612434D-00 1.380575D-00 3.566211D-00  
 2 - A% 1< # 1.841403D-00 5.892239D-02 2.674563D-02  
 3 - A% 2< # -1.390746D-01 -1.336837D-00 1.470742D-00  
 4 - A% 3< # -1.065012D-01 6.915331D-02 1.443533D-03  
 5 - A% 4< # -7.753849D-00 7.756223D-01 -7.957928D-02  
 6 - A% 5< # -2.938105D-01 -2.298797D-02 -1.575446D-03  
 7 - A% 6< # -1.178401D-01 -1.510722D-03 -5.735167D-03  
 8 - A% 7< # -3.228307D-02 2.895363D-03 -2.480389D-03  
 9 - A% 8< # -1.025322D-03 -4.675128D-03 -8.225576D-04  
 10 - A% 9< # 9.041145D-03 -5.838767D-03 7.105716D-04  
 11 - A% 10< # -1.027643D-02 -6.077031D-03 -1.214697D-03  
 12 - A% 11< # 9.457776D-03 -5.572790D-03 5.925021D-04  
 13 - A% 12< # 7.543584D-03 -1.551667D-05 -5.765552D-04  
 14 - A% 13< # 4.494622D-03 9.539875D-04 3.427467D-05  
 15 - A% 14< # -2.244244D-03 9.574272D-04 -1.675254D-05  
 16 - A% 15< # 9.818669D-04 8.899587D-04 -4.476314D-05  
 17 - A% 16< # -4.210638D-04 -7.589312D-04 -6.318949D-05  
 18 - A% 17< # 1.692284D-04 5.387425D-04 -2.164971D-05  
 19 - A% 18< # -6.609275D-05 -3.471830D-04 -8.945208D-07  
 20 - A% 19< # 2.379178D-05 2.123633D-04 4.539676D-06  
 21 - A% 20< # -7.376863D-06 -1.215452D-04 -4.614685D-06  
 22 - A% 21< # 1.692561D-06 5.975312D-05 3.390932D-06  
 23 - A% 22< # -1.622354D-07 2.220644D-05 -1.519920D-06  
 24 - A% 23< # -4.539458D-08 -5.196432D-08 2.480529D-07  
 25 - A% 24< # -1.655050D-09 -3.164500D-08 -9.789213D-08

E = 2.46 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.477367D-00	1.381614D-00	3.499823D-06
2	A% 1< #	1.989000D-00	1.071145D-01	2.801989D-02
3	A% 2< #	1.414074D-01	-1.389966D-00	-1.443240D-00
4	A% 3< #	7.378034D-02	7.281598D-02	1.226140D-03
5	A% 4< #	7.310404D-00	7.663115D-01	-7.659676D-02
6	A% 5< #	-4.309924D-01	-2.692041D-02	-2.387780D-03
7	A% 6< #	-1.907710D-01	-5.958405D-04	-9.160522D-03
8	A% 7< #	-7.641064D-02	2.748530D-03	-3.906502D-03
9	A% 8< #	-2.021601D-02	-8.015216D-03	-1.325541D-03
10	A% 9< #	-1.568542D-03	-9.334645D-03	1.102022D-03
11	A% 10< #	-5.029606D-03	-9.030677D-03	-1.901972D-03
12	A% 11< #	6.914702D-03	-7.344153D-03	9.070562D-04
13	A% 12< #	6.516300D-03	-1.288116D-03	-8.627461D-04
14	A% 13< #	4.239841D-03	9.617139D-04	1.358126D-05
15	A% 14< #	2.328687D-03	-1.020627D-03	-3.374514D-05
16	A% 15< #	1.023873D-03	8.967427D-04	-4.523431D-05
17	A% 16< #	-4.413965D-04	-7.654771D-04	-6.383908D-05
18	A% 17< #	1.789624D-04	5.439559D-04	-2.193567D-05
19	A% 18< #	-7.045225D-05	3.510328D-04	-8.280875D-07
20	A% 19< #	2.572209D-05	2.147530D-04	4.588449D-06
21	A% 20< #	8.190799D-06	-1.228816D-04	-4.685185D-06
22	A% 21< #	2.003578D-06	6.037739D-05	3.439762D-06
23	A% 22< #	2.589630D-07	-2.242831D-05	-1.536043D-06
24	A% 23< #	-2.655326D-08	-5.481582D-08	2.414239D-07
25	A% 24< #	5.128652D-10	-2.699724D-08	-9.533235D-08

E = 2.48 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	-6.305930D-00	1.364528D-00	-3.383192D-00
2	A% 1< #	2.119420D-00	1.470396D-01	2.874936D-02
3	A% 2< #	-1.411231D-01	-1.417670D-00	-1.395046D-00
4	A% 3< #	2.282666D-01	7.512954D-02	9.934887D-04
5	A% 4< #	6.778582D-00	-7.456907D-01	-7.263528D-02
6	A% 5< #	-5.536136D-01	-3.039913D-02	-3.106268D-03
7	A% 6< #	-2.557851D-01	-2.095932D-04	-1.219293D-02
8	A% 7< #	-1.156630D-01	2.640662D-03	-5.167318D-03
9	A% 8< #	-3.913001D-02	-1.095452D-02	-1.770199D-03
10	A% 9< #	-1.104496D-02	-1.241690D-02	1.449783D-03
11	A% 10< #	3.155770D-04	-1.163649D-02	-2.512341D-03
12	A% 11< #	4.618349D-03	-8.905515D-03	1.189078D-03
13	A% 12< #	5.570742D-03	-2.403104D-03	-1.119068D-03
14	A% 13< #	3.998634D-03	9.640485D-04	-3.672920D-06
15	A% 14< #	2.391932D-03	-1.073277D-03	-4.600311D-05
16	A% 15< #	1.066565D-03	9.035295D-04	-4.570646D-05
17	A% 16< #	-4.620803D-04	-7.720370D-04	-6.449039D-05
18	A% 17< #	1.888806D-04	5.491901D-04	-2.222354D-05
19	A% 18< #	-7.490466D-05	-3.549056D-04	-7.601102D-07
20	A% 19< #	2.770003D-05	2.171589D-04	4.637145D-06
21	A% 20< #	9.028973D-06	-1.242279D-04	-4.756121D-06
22	A% 21< #	2.326492D-06	6.100721D-05	3.489008D-06
23	A% 22< #	3.611610D-07	-2.265291D-05	-1.550357D-06
24	A% 23< #	-5.551433D-09	-5.654066D-08	2.348426D-07
25	A% 24< #	-2.114204D-11	-2.270011D-08	-9.279002D-08

	E = 2.50 eV, j = 0	j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.113486D-00	1.333693D-00	3.231241D-00
2	A% 1< #	2.0230748D-00	1.0782160D-01	2.904257D-02
3	A% 2< #	1.387214D-01	-1.0422551D-00	1.332304D-00
4	A% 3< #	3.0540382D-01	7.0624038D-02	7.537402D-04
5	A% 4< #	6.0199931D-00	-7.0168690D-01	6.006017D-02
6	A% 5< #	-6.0586489D-01	-3.0335221D-02	-3.0714930D-03
7	A% 6< #	-3.0112899D-01	-3.0052956D-04	-1.0476198D-02
8	A% 7< #	-1.0490685D-01	2.0573376D-03	-6.0233843D-03
9	A% 8< #	-5.0523425D-02	-1.0342749D-02	-2.0146359D-03
10	A% 9< #	-1.0913637D-02	-1.0501644D-02	1.0745616D-03
11	A% 10< #	-3.0733008D-03	-1.0383633D-02	-3.0031403D-03
12	A% 11< #	2.0636801D-03	-1.0022279D-02	1.0431557D-03
13	A% 12< #	4.0740201D-03	-3.0339300D-03	-1.0339132D-03
14	A% 13< #	3.0784494D-03	9.0616901D-04	-1.0724158D-05
15	A% 14< #	2.0432272D-03	-1.0114761D-03	-5.0931134D-06
16	A% 15< #	1.0109947D-03	9.0103196D-04	-4.0617715D-05
17	A% 16< #	4.0831162D-04	-7.0786107D-04	-6.0514299D-05
18	A% 17< #	1.0989836D-04	5.0544450D-04	-2.0251323D-05
19	A% 18< #	-7.0945037D-05	-3.0588013D-04	-6.005492D-07
20	A% 19< #	2.0972582D-05	2.0195809D-04	4.0685693D-06
21	A% 20< #	9.0891531D-06	-1.0255842D-04	-4.0827470D-06
22	A% 21< #	2.0661388D-06	6.0164230D-05	3.0538677D-06
23	A% 22< #	4.0688764D-07	-2.0288011D-05	-1.0566981D-06
24	A% 23< #	1.0763301D-08	-5.0712490D-08	2.0283113D-07
25	A% 24< #	1.0879295D-10	-1.0875879D-08	-9.0026602D-08

	E = 2.52 eV, j = 0	j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.0914803D-00	1.0293578D-00	-3.0058251D-00
2	A% 1< #	2.0323212D-00	2.0102020D-01	2.0882201D-02
3	A% 2< #	-1.0347605D-01	-1.0409295D-00	-1.0260934D-00
4	A% 3< #	4.0513600D-01	7.0641474D-02	5.0368937D-04
5	A% 4< #	5.0609540D-00	-6.0828788D-01	-6.0320104D-02
6	A% 5< #	-7.0453907D-01	-3.0578308D-02	-4.0208840D-03
7	A% 6< #	-3.0569127D-01	-1.0426816D-03	-1.0686592D-02
8	A% 7< #	-1.0764042D-01	2.0544102D-03	-7.0101628D-03
9	A% 8< #	-6.0840915D-02	-1.0542601D-02	-2.0452226D-03
10	A% 9< #	-2.0577333D-02	-1.0712338D-02	1.0987903D-03
11	A% 10< #	-7.0073951D-03	-1.0562170D-02	-3.0456242D-03
12	A% 11< #	9.0940610D-04	-1.0129158D-02	1.0632462D-03
13	A% 12< #	4.0039867D-03	-4.0093323D-03	-1.0521485D-03
14	A% 13< #	3.0605324D-03	9.0555897D-04	-2.0718171D-05
15	A% 14< #	2.0472524D-03	-1.0145611D-03	-6.0778878D-05
16	A% 15< #	1.0154022D-03	9.0171000D-04	-4.0665802D-05
17	A% 16< #	5.0045056D-04	-7.0051987D-04	-6.0578821D-05
18	A% 17< #	2.0092719D-04	5.0597212D-04	-2.0280493D-05
19	A% 18< #	8.0408980D-05	-3.0627204D-04	-6.0193773D-07
20	A% 19< #	3.0179975D-05	2.0220194D-04	4.0734106D-06
21	A% 20< #	1.0077863D-05	-1.0269506D-04	-4.0899256D-06
22	A% 21< #	3.0008359D-06	6.0228303D-05	3.0588776D-06
23	A% 22< #	5.0821599D-07	-2.0311030D-05	-1.0581799D-06
24	A% 23< #	4.0302329D-08	-5.0655453D-08	2.0218322D-07
25	A% 24< #	1.0021245D-09	-1.0517826D-08	-8.0776136D-08

E = 2.54 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.718946D-00	1.248138D-00	2.876071D-00
2	A% 1< #	2.398529D-00	2.164600D-01	2.838912D-02
3	A% 2< #	1.297667D-01	-1.382731D-00	-1.185787D-00
4	A% 3< #	5.229037D-01	7.579739D-02	3.231931D-04
5	A% 4< #	5.033504D-00	-6.463181D-01	-5.832318D-02
6	A% 5< #	-8.147726D-01	-3.770795D-02	-4.598679D-03
7	A% 6< #	-3.932217D-01	-1.842843D-03	-1.650491D-02
8	A% 7< #	-1.580207D-01	2.549459D-03	-7.783420D-03
9	A% 8< #	-7.881700D-02	-1.698152D-02	-2.692457D-03
10	A% 9< #	-3.102905D-02	-1.877103D-02	2.180002D-03
11	A% 10< #	-9.736927D-03	-1.702102D-02	-3.792812D-03
12	A% 11< #	-3.214111D-04	-1.212936D-02	1.794160D-03
13	A% 12< #	-3.469506D-03	-4.677844D-03	-1.667902D-03
14	A% 13< #	3.463738D-03	9.466992D-04	-3.398673D-05
15	A% 14< #	2.499128D-03	1.167030D-03	-7.371355D-05
16	A% 15< #	1.198791D-03	9.238970D-04	-4.713344D-05
17	A% 16< #	5.262489D-04	-7.518000D-04	-6.645479D-05
18	A% 17< #	2.197461D-04	5.650179D-04	-2.309843D-05
19	A% 18< #	8.882319D-05	-3.666623D-04	-5.466357D-07
20	A% 19< #	3.392195D-05	2.244740D-04	4.782401D-06
21	A% 20< #	1.169038D-05	1.283269D-04	-4.971476D-06
22	A% 21< #	3.367468D-06	6.292916D-05	3.639293D-06
23	A% 22< #	7.010492D-07	-2.334308D-05	-1.597845D-06
24	A% 23< #	7.063827D-08	-5.481640D-08	2.154074D-07
25	A% 24< #	2.528852D-09	-1.195385D-08	-8.527657D-08

E = 2.56 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.533212D-00	1.200497D-00	2.693626D-00
2	A% 1< #	2.459070D-00	2.256803D-01	2.778363D-02
3	A% 2< #	1.241790D-01	-1.347162D-00	-1.110561D-00
4	A% 3< #	5.720759D-01	7.469369D-02	1.328768D-04
5	A% 4< #	4.488846D-00	6.091491D-01	-6.361570D-02
6	A% 5< #	-8.687784D-01	-3.922288D-02	-4.895880D-03
7	A% 6< #	-4.211406D-01	-2.123730D-03	-1.974211D-02
8	A% 7< #	-2.145256D-01	2.581359D-03	-8.301612D-03
9	A% 8< #	-8.671437D-02	-1.816517D-02	-2.871747D-03
10	A% 9< #	-3.505695D-02	-2.001544D-02	2.327600D-03
11	A% 10< #	-1.179303D-02	-1.808128D-02	-4.051268D-03
12	A% 11< #	-1.342558D-03	-1.276460D-02	1.920813D-03
13	A% 12< #	3.019006D-03	-5.113285D-03	-1.782246D-03
14	A% 13< #	3.358496D-03	9.362680D-04	-3.814857D-05
15	A% 14< #	2.521513D-03	-1.180780D-03	-7.748780D-05
16	A% 15< #	1.244057D-03	9.308135D-04	-4.757027D-05
17	A% 16< #	5.482580D-04	-7.585049D-04	-6.707321D-05
18	A% 17< #	2.303759D-04	5.703399D-04	-2.339919D-05
19	A% 18< #	9.364809D-05	3.706218D-04	-4.681139D-07
20	A% 19< #	3.609274D-05	2.269456D-04	4.830530D-06
21	A% 20< #	1.262696D-05	-1.297138D-04	-5.044125D-06
22	A% 21< #	3.738818D-06	6.358119D-05	3.690257D-06
23	A% 22< #	8.255981D-07	-2.357851D-05	-1.614146D-06
24	A% 23< #	1.005021D-07	-5.189645D-08	2.090390D-07
25	A% 24< #	4.718685D-09	-9.120282D-09	-8.281262D-08

E = 2.58 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.361614D-00	1.152934D-00	-2.516955D-00
2	A% 1< #	2.507505D-00	2.299680D-01	2.701678D-02
3	A% 2< #	1.183357D-01	-1.306099D-00	-1.037729D-00
4	A% 3< #	6.031011D-01	7.319332D-02	-4.581596D-05
5	A% 4< #	3.985114D-00	5.727983D-01	-4.917416D-02
6	A% 5< #	-9.096307D-01	-4.035081D-02	-5.114728D-03
7	A% 6< #	-4.421486D-01	-2.334152D-03	-2.066734D-02
8	A% 7< #	-2.267544D-01	2.637562D-03	-8.681888D-03
9	A% 8< #	-9.256016D-02	-1.900830D-02	-3.005327D-03
10	A% 9< #	-3.802292D-02	-2.092151D-02	2.437740D-03
11	A%10< #	-1.332050D-02	-1.885654D-02	-4.243736D-03
12	A%11< #	-2.104687D-03	-1.323000D-02	2.017596D-03
13	A%12< #	-2.676682D-03	-5.424474D-03	-1.869575D-03
14	A%13< #	3.287999D-03	9.241892D-04	-4.008057D-05
15	A%14< #	-2.543253D-03	1.187916D-03	-7.551631D-05
16	A%15< #	1.290216D-03	9.376216D-04	-4.804740D-05
17	A%16< #	5.707100D-04	-8.051370D-04	-6.773283D-05
18	A%17< #	2.412221D-04	5.755799D-04	-2.369641D-05
19	A%18< #	-9.856985D-05	3.746109D-04	-3.522495D-07
20	A%19< #	3.831230D-05	2.294333D-04	4.878566D-06
21	A%20< #	1.358848D-05	1.311103D-04	-5.117185D-06
22	A%21< #	4.122479D-06	6.423844D-05	3.741624D-06
23	A%22< #	9.558473D-07	-2.381744D-05	-1.630572D-06
24	A%23< #	1.326346D-07	-4.778162D-08	2.027291D-07
25	A%24< #	7.598355D-09	6.652631D-09	-8.037020D-08

E = 2.60 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.206014D-00	1.106974D-00	-2.349896D-00
2	A% 1< #	2.546273D-00	2.304065D-01	2.622882D-02
3	A% 2< #	1.124791D-01	-1.262235D-00	-9.688481D-01
4	A% 3< #	6.195516D-01	7.148402D-02	-2.139770D-04
5	A% 4< #	3.526293D-00	-5.381364D-01	-4.506808D-02
6	A% 5< #	-9.397146D-01	-4.118458D-02	-5.270405D-03
7	A% 6< #	-4.573974D-01	-2.468254D-03	-2.132329D-02
8	A% 7< #	-2.354508D-01	2.711086D-03	-8.949871D-03
9	A% 8< #	-9.668498D-02	-1.958754D-02	-3.699362D-03
10	A% 9< #	-4.011883D-02	-2.155289D-02	2.517190D-03
11	A%10< #	-1.441233D-02	-1.940162D-02	-4.382335D-03
12	A%11< #	-2.652642D-03	-1.355777D-02	2.089868D-03
13	A%12< #	2.425586D-03	-5.634606D-03	-1.934555D-03
14	A%13< #	3.247734D-03	9.113677D-04	-4.031657D-05
15	A%14< #	2.566068D-03	-1.190075D-03	-8.017163D-06
16	A%15< #	1.337076D-03	9.444347D-04	-4.852312D-05
17	A%16< #	5.935203D-04	-8.117848D-04	-6.839398D-05
18	A%17< #	2.522564D-04	5.810423D-04	-2.399559D-05
19	A%18< #	1.035869D-04	-3.786243D-04	-3.147427D-07
20	A%19< #	4.058098D-05	2.319383D-04	4.926480D-06
21	A%20< #	1.457814D-05	-1.325176D-04	-6.190712D-06
22	A%21< #	4.518850D-06	6.490165D-05	3.793444D-06
23	A%22< #	1.691848D-06	-2.405892D-05	-1.647481D-06
24	A%23< #	1.670381D-07	-4.245811D-08	1.964792D-07
25	A%24< #	1.117567D-08	-4.865654D-09	-7.794974D-08

	E = 2.70 eV, j = 0	j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.656704D-00	-9.212987D-01	-1.692715D-00
2	AX 1< #	2.658552D-00	2.021274D-01	2.198325D-02
3	AX 2< #	8.686444D-00	-1.650554D-00	-6.980942D-01
4	AX 3< #	5.789049D-01	6.263730D-02	-8.025828D-04
5	AX 4< #	1.854529D-00	-3.998534D-01	-2.963982D-02
6	AX 5< #	-9.927608D-01	-4.278317D-02	-5.482808D-03
7	AX 6< #	-4.817239D-01	-2.455727D-03	-2.221410D-02
8	AX 7< #	-2.470996D-01	3.217668D-03	-9.296061D-03
9	AX 8< #	-1.017170D+01	-2.016154D-02	-3.218632D-03
10	AX 9< #	-4.264806D-02	-2.228770D-02	2.640843D-03
11	AX10< #	-1.583771D-02	-2.008842D-02	-4.594205D-03
12	AX11< #	-3.385797D-03	-1.398630D-02	2.228119D-03
13	AX12< #	-2.063183D-03	-5.796548D-03	-2.057602D-03
14	AX13< #	3.364335D-03	8.466258D-04	-2.756934D-05
15	AX14< #	-2.729306D-03	-1.160882D-03	-7.234926D-05
16	AX15< #	1.581935D-03	9.785660D-04	-5.092962D-05
17	AX16< #	7.129650D-04	-8.452455D-04	-7.172929D-05
18	AX17< #	3.102601D-04	6.081762D-04	-2.552090D-05
19	AX18< #	-1.301106D-04	-3.998443D-04	-9.706933D-06
20	AX19< #	5.266682D-05	2.447123D-04	5.163798D-06
21	AX20< #	-1.988929D-05	-1.397077D-04	-5.864613D-06
22	AX21< #	6.687532D-06	6.830334D-05	4.059032D-06
23	AX22< #	-1.859511D-06	-2.531026D-05	-1.738079D-06
24	AX23< #	3.742115D-07	2.721252D-09	1.662197D-07
25	AX24< #	-3.977986D-08	-1.097458D-11	-6.621696D-08

	E = 2.80 eV, j = 0	j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.379972D-00	-8.074845D-01	-1.205362D-00
2	AX 1< #	2.723934D-00	1.594267D-01	1.856573D-02
3	AX 2< #	6.908959D-00	-8.905796D-01	-5.304249D-01
4	AX 3< #	4.680559D-01	5.578563D-02	-1.205739D-03
5	AX 4< #	-9.077557D-01	-3.132020D-01	-2.060501D-02
6	AX 5< #	-9.803906D-01	-4.277725D-02	-5.336167D-03
7	AX 6< #	-4.712984D-01	-1.998819D-03	-2.155989D-02
8	AX 7< #	-2.374367D-01	3.791289D-03	-9.001933D-03
9	AX 8< #	-9.617581D-02	-1.927123D-02	-3.111795D-03
10	AX 9< #	-3.968444D-02	-2.148871D-02	2.585728D-03
11	AX10< #	-1.439903D-02	-1.948641D-02	-4.491931D-03
12	AX11< #	-2.659929D-03	-1.365206D-02	2.215920D-03
13	AX12< #	2.407322D-03	-5.399349D-03	-2.044703D-03
14	AX13< #	3.763584D-03	7.880702D-04	-7.776301D-05
15	AX14< #	-2.989024D-03	-1.110592D-03	-5.873692D-05
16	AX15< #	1.844564D-03	1.012818D-03	-5.335597D-05
17	AX16< #	8.414800D-04	-8.790937D-04	-7.510738D-05
18	AX17< #	3.730323D-04	6.358582D-04	-2.709423D-05
19	AX18< #	-1.590516D-04	-4.200628D-04	-5.495710D-07
20	AX19< #	6.600918D-05	2.579107D-04	5.397245D-05
21	AX20< #	-2.585003D-05	1.471615D-04	5.949152D-05
22	AX21< #	9.177821D-06	7.185161D-05	4.335579D-06
23	AX22< #	2.777184D-06	-2.663660D-05	-1.829055D-06
24	AX23< #	6.415903D-07	7.998578D-08	1.377852D-07
25	AX24< #	-8.690650D-08	-5.676223D-09	-5.616440D-08

E = 2.90 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< 0	3.250031D-00	7.616168D-01	-1.030362D-00
2	AX 1< 0	2.6787520D-00	1.191968D-01	1.6610327D-02
3	AX 2< 0	5.720222D-00	-7.733549D-01	4.256838D-01
4	AX 3< 0	3.557315D-01	9.109404D-02	-1.445609D-03
5	AX 4< 0	3.442443D-01	-2.591525D-01	-1.516434D-02
6	AX 5< 0	-9.565162D-01	-4.258475D-02	-5.134979D-03
7	AX 6< 0	-4.549270D-01	-1.0478841D-03	-2.068942D-02
8	AX 7< 0	-2.240951D-01	4.358150D-03	-6.620999D-03
9	AX 8< 0	-8.862957D-02	-1.821093D-02	-2.974445D-03
10	AX 9< 0	-3.561189D-02	-2.050730D-02	2.503678D-03
11	AX 10< 0	-1.231552D-02	-1.873213D-02	-4.342846D-03
12	AX 11< 0	-1.575931D-03	-1.322944D-02	2.177341D-03
13	AX 12< 0	2.975238D-03	-4.939520D-03	-2.008826D-03
14	AX 13< 0	4.276917D-03	7.347040D-04	1.170487D-05
15	AX 14< 0	3.328444D-03	-1.060659D-03	-4.548218D-05
16	AX 15< 0	2.125135D-03	1.047226D-03	-5.581688D-05
17	AX 16< 0	9.791704D-04	9.133463D-04	-7.852685D-05
18	AX 17< 0	4.406365D-04	6.641011D-04	-2.871598D-05
19	AX 18< 0	1.904801D-04	-4.416904D-04	-1.043334D-06
20	AX 19< 0	8.063315D-05	2.715425D-04	5.626370D-06
21	AX 20< 0	3.247281D-05	1.548849D-04	-6.344047D-06
22	AX 21< 0	1.196351D-05	7.555697D-05	4.623293D-05
23	AX 22< 0	3.046330D-06	2.804133D-05	-1.020218D-05
24	AX 23< 0	9.715355D-07	1.908251D-07	1.114158D-07
25	AX 24< 0	3.636151D-07	-2.211316D-05	-4.488433D-05

E = 3.00 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< 0	3.190160D-00	-7.055633D-01	-3.639202D-01
2	AX 1< 0	2.0898684D-00	8.391835D-02	1.424461D-02
3	AX 2< 0	4.908679D-00	-6.998733D-01	3.673021D-01
4	AX 3< 0	2.5561857D-01	4.800746D-02	-1.658093D-03
5	AX 4< 0	-1.759403D-02	-2.243137D-01	1.170898D-02
6	AX 5< 0	-9.353446D-01	-4.258057D-02	-4.963459D-03
7	AX 6< 0	-4.400498D-01	-9.760130D-04	-1.993271D-02
8	AX 7< 0	-2.115971D-01	4.907397D-03	-8.289039D-03
9	AX 8< 0	-8.146770D-02	-1.729526D-02	-2.854105D-03
10	AX 9< 0	-3.159600D-02	-1.966973D-02	2.433600D-03
11	AX 10< 0	-1.020530D-02	-1.809687D-02	-4.216324D-03
12	AX 11< 0	-4.473250D-04	-1.288022D-02	2.145357D-03
13	AX 12< 0	3.614471D-03	-4.539330D-03	-1.979825D-03
14	AX 13< 0	4.845704D-03	6.836505D-04	2.937976D-05
15	AX 14< 0	3.730605D-03	-1.013598D-03	-3.356396D-05
16	AX 15< 0	2.424313D-03	1.081672D-03	-8.828534D-05
17	AX 16< 0	1.126343D-03	-9.480086D-04	-8.201015D-05
18	AX 17< 0	5.132305D-04	6.929281D-04	-3.039476D-05
19	AX 18< 0	2.244556D-04	-4.639475D-04	-1.578962D-05
20	AX 19< 0	9.658925D-05	2.856189D-04	5.853582D-05
21	AX 20< 0	3.978554D-05	-1.628857D-04	-6.752581D-05
22	AX 21< 0	1.516373D-05	7.940851D-05	-4.921436D-05
23	AX 22< 0	5.064365D-06	-3.952739D-05	-2.036724D-05
24	AX 23< 0	1.366344D-06	3.366468D-07	8.733895D-08
25	AX 24< 0	2.401154D-07	4.984405D-08	-3.548385D-08

ORIGINAL PAGE IS  
OF POOR QUALITY

		E = 3.50 eV, j = 0	j' = j	j' = j + 2	j' = j + 4
1		AX 0< #	3.332310D 00	7.053337D-01	-5.299525D-01
2		AX 1< #	3.298261D 00	-4.505971D-02	6.748070D-03
3		AX 2< #	3.247608D-06	-5.265818D-01	-2.215160D-01
4		AX 3< #	-7.9872120-02	4.354257D-02	-2.676587D-03
5		AX 4< #	-8.107528D-01	-1.629465D-01	-4.873802D-03
6		AX 5< #	-9.009769D-01	-4.570796D-02	-4.641536D-03
7		AX 6< #	-4.028891D-01	-8.578759D-04	-1.836425D-02
8		AX 7< #	-1.708688D-01	7.617775D-03	-7.545545D-03
9		AX 8< #	-5.471627D-02	-1.512643D-02	-2.579117D-03
10		AX 9< #	-1.536793D-02	-1.798617D-02	2.329551D-03
11		AX 10< #	-9.933462D-04	-1.705874D-02	-4.011067D-03
12		AX 11< #	4.821099D-03	-1.234816D-02	2.170310D-03
13		AX 12< #	-7.211776D-03	-3.489651D-03	-2.004359D-03
14		AX 13< #	8.081990D-03	4.117935D-04	9.939872D-05
15		AX 14< #	6.400563D-03	-7.903850D-04	-1.154213D-05
16		AX 15< #	4.196344D-03	1.256232D-03	-7.100584D-05
17		AX 16< #	2.003203D-03	-1.127434D-03	-9.991065D-05
18		AX 17< #	9.506964D-04	8.456191D-04	-3.948696D-05
19		AX 18< #	4.328424D-04	-5.846637D-04	-4.897185D-06
20		AX 19< #	1.965624D-04	3.627781D-04	6.894220D-05
21		AX 20< #	8.689406D-05	2.071667D-04	-8.929934D-06
22		AX 21< #	3.631907D-05	1.011285D-04	6.387153D-06
23		AX 22< #	1.379533D-05	-3.824192D-05	-2.634892D-06
24		AX 23< #	4.383343D-06	1.635156D-06	8.574052D-09
25		AX 24< #	1.002222D-06	-3.744495D-07	-4.039256D-09

		E = 4.00 eV, j = 0	j' = j	j' = j + 2	j' = j + 4
1		AX 0< #	3.626227D 00	8.119331D-01	4.423768D-01
2		AX 1< #	3.787048D 00	-1.443942D-01	4.524325D-03
3		AX 2< #	-2.964400D-06	-4.785357D-01	1.881464D-01
4		AX 3< #	-2.713635D-01	4.383811D-02	-3.922331D-03
5		AX 4< #	-1.169307D-00	-1.634323D-01	-3.056464D-03
6		AX 5< #	-9.294123D-01	-5.131676D-02	-4.773216D-03
7		AX 6< #	-3.957773D-01	1.820142D-03	-1.874667D-02
8		AX 7< #	-1.469771D-01	1.013450D-02	-7.593416D-03
9		AX 8< #	-3.400240D-02	-1.532851D-02	-2.593107D-03
10		AX 9< #	-1.108793D-03	-1.878134D-02	2.450440D-03
11		AX 10< #	7.895431D-03	-1.812062D-02	-4.203022D-03
12		AX 11< #	1.033792D-02	-1.294392D-02	2.377630D-03
13		AX 12< #	1.164711D-02	-3.406000D-03	-2.200784D-03
14		AX 13< #	1.191815D-02	6.237911D-05	1.602188D-04
15		AX 14< #	-9.975428D-03	5.175629D-04	-5.027042D-05
16		AX 15< #	6.449531D-03	1.439685D-03	-8.413180D-05
17		AX 16< #	-3.124666D-03	-1.319124D-03	-1.187500D-04
18		AX 17< #	1.518107D-03	1.013994D-03	-4.980887D-05
19		AX 18< #	7.085804D-04	7.218029D-04	-9.317206D-06
20		AX 19< #	3.321204D-04	4.517793D-04	7.772322D-06
21		AX 20< #	1.527383D-04	-2.589849D-04	-1.135076D-05
22		AX 21< #	6.702000D-05	1.272115D-04	8.545582D-06
23		AX 22< #	-2.709502D-05	4.928604D-05	-3.533139D-06
24		AX 23< #	9.300645D-06	3.984763D-06	1.566351D-08
25		AX 24< #	2.370780D-06	1.046770D-06	-5.072253D-09

E = 5.00 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< 0	4.266129D-00	1.026655D-00	-4.154326D-01
2	A% 1< #	4.744018D-00	-3.433265D-01	-7.288539D-03
3	A% 2< #	3.616746D-00	-4.466980D-01	-1.855992D-01
4	A% 3< #	-4.426966D-01	3.798479D-02	-7.316746D-03
5	A% 4< #	-1.664274D-00	2.189064D-01	-2.031905D-03
6	A% 5< #	-1.019228D-00	-6.632094D-02	-5.507341D-03
7	A% 6< #	-3.849465D-01	-2.156276D-03	-2.156233D-02
8	A% 7< #	-9.581108D-02	1.542253D-02	-8.431981D-03
9	A% 8< #	1.564698D-02	-1.894530D-02	-2.913483D-03
10	A% 9< #	3.508931D-02	-2.368658D-02	2.927755D-03
11	A%10< #	3.160583D-02	-2.305219D-02	-5.016989D-03
12	A%11< #	2.572454D-02	-1.541538D-02	3.015210D-03
13	A%12< #	-2.455160D-02	-4.671511D-03	-2.814952D-03
14	A%13< #	2.187347D-02	-9.352244D-04	2.865532D-04
15	A%14< #	-1.973477D-02	-3.206119D-04	-1.351403D-04
16	A%15< #	1.248560D-02	1.836134D-03	-1.114839D-04
17	A%16< #	-6.138465D-03	-1.742946D-03	-1.592292D-04
18	A%17< #	3.063935D-03	1.400549D-03	-7.428062D-05
19	A%18< #	-1.475183D-03	-1.048266D-03	-2.162661D-05
20	A%19< #	7.176924D-04	6.675638D-04	8.920935D-06
21	A%20< #	3.452941D-04	-3.869459D-04	-1.688565D-05
22	A%21< #	1.597996D-04	1.937231D-04	1.337382D-05
23	A%22< #	-6.897963D-05	-7.917017D-05	-5.902299D-06
24	A%23< #	2.555057D-05	1.228799D-05	3.602578D-07
25	A%24< #	-7.186571D-06	-3.601347D-06	-1.324681D-07

E = 6.00 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< 0	4.665996D-00	1.613728D-06	-4.444710D-01
2	A% 1< #	5.649672D-00	-5.786282D-01	-2.690540D-02
3	A% 2< 0	4.691995D-00	-2.873460D-01	-2.114018D-01
4	A% 3< #	-3.693504D-01	8.027425D-03	-1.198632D-02
5	A% 4< #	-2.034932D-00	-3.191743D-01	-2.340210D-03
6	A% 5< #	-1.072172D-00	-8.445231D-02	-6.449739D-03
7	A% 6< #	-3.301485D-01	-5.444481D-04	-2.545476D-02
8	A% 7< #	-1.124182D-02	2.087182D-02	-9.555793D-03
9	A% 8< #	9.104805D-02	-2.534294D-02	-3.391969D-03
10	A% 9< #	8.954093D-02	-3.147026D-02	3.523455D-03
11	A%10< #	6.785880D-02	-3.041754D-02	-6.066072D-03
12	A%11< #	4.969536D-02	-1.878231D-02	3.792578D-03
13	A%12< #	-4.423485D-02	-7.327315D-03	-3.592685D-03
14	A%13< #	3.563135D-02	-2.333374D-03	4.320892D-04
15	A%14< #	-3.310567D-02	-1.623231D-03	-2.434698D-04
16	A%15< #	2.068035D-02	2.285983D-03	-1.394928D-04
17	A%16< #	-1.022241D-02	-2.224992D-03	-2.030566D-04
18	A%17< #	5.181995D-03	1.257772D-03	-1.039342D-04
19	A%18< #	-2.544242D-03	-1.447764D-03	-3.877207D-05
20	A%19< #	1.266005D-03	9.367329D-04	9.103284D-06
21	A%20< #	-6.250873D-04	-5.495842D-04	-2.329569D-05
22	A%21< #	2.979320D-04	2.809759D-04	1.946017D-05
23	A%22< #	-1.331926D-04	-1.204861D-04	-9.261372D-06
24	A%23< #	5.127005D-05	2.597434D-05	1.238782D-06
25	A%24< #	-1.510633D-05	7.982959D-06	-4.627970D-07

E = 7.00 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.4391700 00	1.9449470 00	-4.9386650 -01
2	A% 1< #	6.5490250 00	-8.6949740 -01	-5.6130340 -02
3	A% 2< #	6.2026090 00	-2.3922260 -01	-2.5168010 -01
4	A% 3< #	-1.1047570 -02	-5.8824020 -02	-1.7931700 -02
5	A% 4< #	-2.2796960 00	4.5880460 -01	-3.6041770 -03
6	A% 5< #	-1.0489040 00	-1.0519050 -01	-7.4315750 -03
7	A% 6< #	-2.0534860 -01	-3.1109940 -03	-2.9838560 -02
8	A% 7< #	1.2189400 -01	2.6339740 -02	-1.0712770 -02
9	A% 8< #	2.0100510 -01	-3.3847820 -02	-3.9478680 -03
10	A% 9< #	1.6738270 -01	-4.1313890 -02	4.1590980 -03
11	A% 10< #	-1.1983330 -01	-3.9542180 -02	-7.2189730 -03
12	A% 11< #	8.4354000 -02	-2.2639900 -02	4.6388030 -03
13	A% 12< #	-7.1804660 -02	-1.1107980 -02	-4.4828200 -03
14	A% 13< #	5.4008740 -02	-4.0644640 -03	6.0001150 -04
15	A% 14< #	5.02774480 -02	-3.3992560 -03	-3.6044310 -04
16	A% 15< #	3.1177300 -02	2.8076320 -03	-1.6746800 -04
17	A% 16< #	1.5419840 -02	-2.7699460 -03	-2.4997080 -04
18	A% 17< #	7.8948730 -03	2.3889010 -03	-1.3882270 -04
19	A% 18< #	3.9297590 -03	-1.9232210 -03	-6.0917680 -05
20	A% 19< #	1.9858600 -03	1.2618500 -03	8.1836710 -06
21	A% 20< #	9.5774790 -04	-7.4899370 -04	-3.0541540 -05
22	A% 21< #	4.8467300 -04	3.9046310 -04	2.6844240 -05
23	A% 22< #	-2.2153720 -04	-1.7418520 -04	-1.3696340 -05
24	A% 23< #	8.7306250 -05	4.5578250 -05	2.7376060 -06
25	A% 24< #	2.6437630 -05	1.4389400 -05	-1.0291990 -06

E = 8.00 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	6.0464710 00	-2.4025630 00	-5.5421700 -01
2	A% 1< #	7.5048600 00	-1.2282050 00	-9.5723760 -02
3	A% 2< #	7.5288960 00	-3.3900430 -02	-3.0312220 -01
4	A% 3< #	6.6375870 -01	-1.7037050 -01	-2.5152270 -02
5	A% 4< #	-2.3676760 00	-6.3566320 -01	-5.9654960 -03
6	A% 5< #	-9.2946630 -01	-1.2836440 -01	-8.3502500 -03
7	A% 6< #	4.6606750 -03	-8.6653840 -03	-3.4498690 -02
8	A% 7< #	3.1196850 -01	3.1852770 -02	-1.1816060 -02
9	A% 8< #	3.5065580 -01	-4.3856720 -02	-4.5608520 -03
10	A% 9< #	2.7187260 -01	-5.2471590 -02	4.7965170 -03
11	A% 10< #	-1.8959280 -01	-4.9775400 -02	-8.4125710 -03
12	A% 11< #	1.3111610 -01	-2.6632450 -02	5.5136480 -03
13	A% 12< #	-1.0799030 -01	-1.5738600 -02	-5.4615660 -03
14	A% 13< #	7.7695750 -02	-5.9956090 -03	7.9092130 -04
15	A% 14< #	-7.1407610 -02	-5.5966310 -03	-5.4888930 -04
16	A% 15< #	4.4123960 -02	3.4223000 -03	-1.9458330 -04
17	A% 16< #	-2.1769280 -02	-3.3816010 -03	-2.9973710 -04
18	A% 17< #	1.1220490 -02	2.5962050 -03	-1.7905060 -04
19	A% 18< #	5.6422410 -03	-2.4764870 -03	-8.6247920 -05
20	A% 19< #	2.8837470 -03	1.6446810 -03	6.0354810 -06
21	A% 20< #	-1.4673330 -03	-9.8663450 -04	-3.8585840 -05
22	A% 21< #	7.2252290 -04	5.2333170 -04	3.55557250 -05
23	A% 22< #	-3.3541070 -04	-2.4102550 -04	-1.9273900 -05
24	A% 23< #	1.3431510 -04	7.1513570 -05	4.9236280 -06
25	A% 24< #	-4.1418590 -05	-2.2973320 -05	-1.8573420 -06

	E = 9.00 eV, j = 0	j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	6.639795D-00	-2.070618D-00	-6.216071D-01
2	A% 1< #	8.571793D-00	-1.061089D-00	-1.457048D-01
3	A% 2< #	9.794426D-00	4.504819D-01	-3.643517D-01
4	A% 3< #	1.755499D-00	-3.295659D-01	-3.359788D-02
5	A% 4< #	-2.267542D-00	8.463320D-01	-9.638359D-03
6	A% 5< #	-7.022015D-01	-1.537524D-01	-9.075247D-03
7	A% 6< #	-3.106793D-01	-1.084058D-02	-3.930016D-02
8	A% 7< #	5.642779D-01	3.751997D-02	-1.280554D-02
9	A% 8< #	5.433388D-01	-5.461746D-02	-8.221223D-03
10	A% 9< #	4.050953D-01	-6.409770D-02	8.411034D-03
11	A%10< #	-2.785112D-01	-6.039345D-02	-9.602555D-03
12	A%11< #	1.909857D-01	-3.035005D-02	6.384317D-03
13	A%12< #	-1.532710D-01	-2.087781D-02	-6.511744D-03
14	A%13< #	1.072545D-01	-7.932405D-03	1.003770D-03
15	A%14< #	9.661295D-02	-8.108304D-03	-7.499245D-04
16	A%15< #	5.967713D-02	4.155999D-03	-2.199123D-04
17	A%16< #	2.930912D-02	-4.064596D-03	-3.519870D-04
18	A%17< #	1.517523D-02	3.682160D-03	-2.245541D-04
19	A%18< #	7.690796D-03	-3.109372D-03	-1.208708D-04
20	A%19< #	3.965093D-03	2.086786D-03	2.580129D-06
21	A%20< #	2.037196D-03	1.263712D-03	-4.739355D-05
22	A%21< #	1.013449D-03	6.204717D-04	4.561946D-05
23	A%22< #	4.759391D-04	-3.215930D-04	-2.604780D-05
24	A%23< #	1.928247D-04	1.041135D-04	7.650674D-06
25	A%24< #	6.024112D-05	-3.365962D-05	-2.967694D-06

	E = 10.00 eV, j = 0	j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	7.246278D-00	-3.330703D-00	-6.935685D-01
2	A% 1< #	9.786746D-00	-2.168038D-00	-2.054223D-01
3	A% 2< #	-1.174124D-01	-1.011389D-00	-4.342906D-01
4	A% 3< #	3.223061D-00	-5.355137D-01	-4.307688D-02
5	A% 4< #	-1.952842D-00	-1.085723D-00	-1.478913D-02
6	A% 5< #	-3.598484D-01	-1.810028D-01	-9.446254D-03
7	A% 6< #	7.215534D-01	-2.419359D-02	-4.414305D-02
8	A% 7< #	8.826393D-01	4.346923D-02	-1.367221D-02
9	A% 8< #	7.813052D-01	-6.529514D-02	-5.920876D-03
10	A% 9< #	5.685137D-01	-7.524802D-02	5.978677D-03
11	A%10< #	-3.875181D-01	-7.060168D-02	-1.075139D-02
12	A%11< #	2.647024D-01	-3.335754D-02	7.222383D-03
13	A%12< #	-2.079823D-01	-2.613346D-02	-7.618502D-03
14	A%13< #	1.431476D-01	-9.631766D-03	1.237741D-03
15	A%14< #	-1.269858D-01	-1.078509D-02	-9.839077D-04
16	A%15< #	7.800658D-02	5.039135D-03	-2.424606D-04
17	A%16< #	3.808096D-02	-4.824211D-03	-4.065534D-04
18	A%17< #	1.977632D-02	4.449472D-03	-2.754220D-04
19	A%18< #	-1.008456D-02	-3.823723D-03	-1.589480D-04
20	A%19< #	5.235257D-03	2.589722D-03	-2.295655D-06
21	A%20< #	2.710339D-03	-1.581350D-03	-5.694349D-05
22	A%21< #	1.359208D-03	8.627010D-04	5.705455D-05
23	A%22< #	6.440543D-04	4.163869D-04	-3.406246D-05
24	A%23< #	2.632719D-04	1.436535D-04	1.196328D-05
25	A%24< #	8.306403D-05	-4.714853D-05	-4.372965D-06

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E = 0.20 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.836222D-01	7.122590D-03	1.181090D-05
2	A% 1< #	-2.467074D-01	-1.798485D-03	1.577746D-05
3	A% 2< #	-3.583312D-02	-3.468556D-05	1.572195D-05
4	A% 3< #	-2.678215D-02	-7.055737D-04	8.859903D-06
5	A% 4< #	-1.484919D-02	-1.068465D-03	-1.246273D-06
6	A% 5< #	-1.163222D-02	-1.502174D-03	-1.061302D-05
7	A% 6< #	1.842937D-03	-6.036077D-04	-1.398627D-05
8	A% 7< #	3.953423D-03	-4.368800D-04	-1.710522D-05
9	A% 8< #	3.816147D-03	-3.967428D-04	-1.046756D-05
10	A% 9< #	3.288520D-03	-4.020061D-04	-1.340120D-06
11	A% 10< #	2.872471D-03	-4.384400D-04	6.013119D-06
12	A% 11< #	2.766304D-03	-4.448950D-04	9.788301D-06
13	A% 12< #	2.840541D-03	1.162313D-04	1.307643D-05
14	A% 13< #	-1.189277D-03	2.395100D-04	9.354848D-06
15	A% 14< #	-3.851203D-04	2.052054D-04	3.862556D-06
16	A% 15< #	-9.502276D-05	1.628643D-04	-2.788150D-06
17	A% 16< #	1.310041D-05	1.227301D-04	-5.284050D-06
18	A% 17< #	4.956319D-05	8.290261D-05	-1.042535D-06
19	A% 18< #	5.989206D-05	-5.009226D-05	9.743600D-07
20	A% 19< #	5.285923D-05	3.318824D-05	2.099622D-07
21	A% 20< #	4.061144D-05	2.214051D-05	1.499534D-07
22	A% 21< #	2.777329D-05	1.408304D-05	4.278635D-07
23	A% 22< #	1.682244D-05	7.702981D-06	6.077115D-07
24	A% 23< #	8.053066D-06	3.063776D-06	5.755094D-07
25	A% 24< #	3.222911D-06	1.217995D-06	2.201153D-07

E = 0.60 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.834791D-00	3.098576D-02	-1.607380D-04
2	A% 1< #	-4.729836D-01	-2.058773D-02	2.835890D-05
3	A% 2< #	-6.305342D-01	4.520450D-03	-1.005287D-04
4	A% 3< #	-1.781504D-01	-2.026519D-03	2.214490D-05
5	A% 4< #	-6.966899D-02	-3.091332D-03	-3.743997D-05
6	A% 5< #	-4.923357D-02	-4.792061D-03	-1.881832D-05
7	A% 6< #	2.281631D-03	-9.518323D-04	-5.005139D-05
8	A% 7< #	1.398397D-02	-6.497093D-04	-1.077834D-05
9	A% 8< #	1.272666D-02	-5.764295D-04	-1.044117D-05
10	A% 9< #	1.005009D-02	-6.814196D-04	-4.288375D-06
11	A% 10< #	8.158222D-03	-9.070492D-04	9.403213D-06
12	A% 11< #	7.415922D-03	-1.199487D-03	2.827918D-05
13	A% 12< #	7.050557D-03	-6.018060D-04	3.748143D-05
14	A% 13< #	-2.680410D-03	6.458167D-04	2.947889D-05
15	A% 14< #	-1.578499D-03	5.397475D-04	1.139140D-05
16	A% 15< #	-5.226984D-04	4.431552D-04	-1.085660D-05
17	A% 16< #	-1.564724D-04	3.378173D-04	-1.768718D-05
18	A% 17< #	-1.118822D-05	2.284250D-04	-2.907380D-06
19	A% 18< #	5.449072D-05	1.371162D-04	3.913528D-06
20	A% 19< #	6.703858D-05	8.715977D-05	1.930759D-06
21	A% 20< #	5.821904D-05	5.511993D-05	1.158427D-06
22	A% 21< #	4.188695D-05	3.253590D-05	1.252248D-06
23	A% 22< #	2.565695D-05	1.506390D-05	1.291562D-06
24	A% 23< #	1.158306D-05	4.766793D-06	1.081194D-06
25	A% 24< #	4.924250D-06	1.967808D-06	4.113483D-07

E = 1.00 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.217825D-00	7.163300D-02	-2.230772D-03
2	A% 1< #	-4.117595D-02	-6.504367D-02	-1.147770D-04
3	A% 2< #	-8.539977D-00	-2.332917D-02	-1.012318D-03
4	A% 3< #	-4.908148D-01	-3.387029D-03	2.333929D-05
5	A% 4< #	-1.090672D-01	-4.546172D-03	-3.104991D-04
6	A% 5< #	-7.570776D-02	-8.115253D-03	6.133316D-05
7	A% 6< #	1.125358D-02	-3.920849D-05	-5.376848D-04
8	A% 7< #	3.492653D-02	1.055217D-04	1.756750D-04
9	A% 8< #	2.838425D-02	-3.141021D-04	-6.086738D-05
10	A% 9< #	2.050129D-02	-7.439970D-05	-4.170160D-05
11	A% 10< #	1.515781D-02	-7.179828D-04	-5.651682D-05
12	A% 11< #	1.240178D-02	-1.640283D-03	2.563844D-05
13	A% 12< #	1.058555D-02	-1.481678D-03	-4.096455D-05
14	A% 13< #	-2.058555D-03	9.739551D-04	5.641555D-05
15	A% 14< #	-2.303593D-03	-8.034499D-04	-2.333155D-05
16	A% 15< #	-6.644846D-04	6.972749D-04	-2.059943D-05
17	A% 16< #	-2.147866D-04	-5.404850D-04	-3.157495D-05
18	A% 17< #	-4.186973D-05	3.700090D-04	-5.084944D-06
19	A% 18< #	4.128653D-05	-2.249298D-04	-7.022123D-06
20	A% 19< #	6.182612D-05	1.400418D-04	4.476955D-06
21	A% 20< #	5.622311D-05	-8.537131D-05	-2.795229D-06
22	A% 21< #	-4.041253D-05	4.743495D-05	2.234750D-06
23	A% 22< #	2.392680D-05	-2.134353D-05	-1.749943D-06
24	A% 23< #	9.281744D-06	4.272616D-06	1.218498D-06
25	A% 24< #	4.298785D-06	-1.849207D-06	-4.600531D-07

E = 1.40 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.6222131D-06	-1.412565D-01	-1.986222D-02
2	A% 1< #	7.591418D-01	-1.473512D-01	-8.040559D-04
3	A% 2< #	-2.718847D-00	-7.694547D-02	-8.456951D-03
4	A% 3< #	-1.029673D-00	-5.171173D-03	1.937293D-05
5	A% 4< #	5.280054D-02	-2.408932D-03	-1.496084D-03
6	A% 5< #	-2.717959D-02	-1.028796D-02	4.221028D-04
7	A% 6< #	6.191419D-02	-3.105231D-03	-2.271657D-03
8	A% 7< #	8.675400D-02	2.114883D-03	-8.839260D-04
9	A% 8< #	6.120913D-02	-3.128779D-03	-3.215278D-04
10	A% 9< #	4.032380D-02	2.133041D-03	-2.080274D-04
11	A% 10< #	2.695648D-02	-6.617796D-04	-3.544450D-04
12	A% 11< #	1.943260D-02	-1.353993D-03	-6.756979D-05
13	A% 12< #	1.483974D-02	-2.964124D-03	-3.995165D-05
14	A% 13< #	3.790234D-04	1.217666D-03	9.721926D-05
15	A% 14< #	-2.182906D-03	-9.875983D-04	-4.570640D-05
16	A% 15< #	-2.721120D-04	9.381401D-04	-3.133164D-05
17	A% 16< #	-1.393949D-05	-7.407741D-04	-4.658201D-05
18	A% 17< #	5.044300D-05	5.158463D-04	-7.844389D-06
19	A% 18< #	8.047550D-05	-3.204271D-04	-9.844165D-06
20	A% 19< #	7.619971D-05	1.977193D-04	7.506188D-06
21	A% 20< #	5.032946D-05	-1.175757D-04	-4.943177D-06
22	A% 21< #	3.834515D-05	6.233020D-05	3.447466D-06
23	A% 22< #	2.013865D-05	-2.592348D-05	-3.158170D-06
24	A% 23< #	5.284862D-06	2.980374D-06	1.172862D-06
25	A% 24< #	2.864374D-06	-1.385889D-06	-4.381391D-07

	E = 1.80 eV, j = 1	j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	6.371978D-00	-3.505382D-01	-1.617558D-01
2	A% 1< #	1.510234D-00	-3.068430D-01	-2.799797D-03
3	A% 2< #	3.9300100-00	-2.214045D-01	-6.748495D-02
4	A% 3< #	-2.024862D-00	-8.803941D-03	1.509931D-04
5	A% 4< #	1.290830D-00	-2.8272100-02	-7.233422D-03
6	A% 5< #	2.923752D-01	-7.696286D-03	1.678594D-03
7	A% 6< #	2.586454D-01	-1.0941900-02	-7.882629D-03
8	A% 7< #	2.3291500-01	6.311684D-03	3.195558D-03
9	A% 8< #	1.441176D-01	-1.078411D-02	-1.145754D-03
10	A% 9< #	8.725360D-02	8.438140D-03	-8.114770D-04
11	A% 10< #	5.318840D-02	-5.118990D-03	-1.414879D-03
12	A% 11< #	3.355682D-02	8.939530D-04	-4.921550D-04
13	A% 12< #	2.266302D-02	-5.8677700-03	-4.229184D-04
14	A% 13< #	4.791196D-03	1.379339D-03	1.687966D-04
15	A% 14< #	-1.052582D-03	-1.047454D-03	-9.234808D-05
16	A% 15< #	7.771606D-04	1.172183D-03	-4.273494D-05
17	A% 16< #	5.190098D-04	-9.477751D-04	-6.2528100-05
18	A% 17< #	3.122651D-04	6.701430D-04	-1.130452D-05
19	A% 18< #	2.022978D-04	-4.270807D-04	-1.215824D-05
20	A% 19< #	1.296918D-04	2.631316D-04	1.084399D-05
21	A% 20< #	7.9924700-05	-1.540746D-04	-7.540579D-06
22	A% 21< #	4.321003D-05	7.900726D-05	4.928716D-06
23	A% 22< #	1.856969D-05	-3.100728D-05	-2.612290D-06
24	A% 23< #	1.6666290D-06	1.593195D-06	1.038487D-06
25	A% 24< #	1.379502D-06	-8.395464D-07	-3.8154000-07

	E = 2.00 eV, j = 1	j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	7.955496D-00	-7.706811D-01	-5.224601D-01
2	A% 1< #	1.643796D-00	-4.479737D-01	-3.997172D-03
3	A% 2< #	-3.468245D-00	-3.811263D-01	-2.167732D-01
4	A% 3< #	-2.918091D-00	-1.053426D-02	5.319202D-04
5	A% 4< #	3.781492D-00	-1.1241700-01	-1.851460D-02
6	A% 5< #	7.486688D-01	-1.131616D-03	3.245934D-03
7	A% 6< #	5.153123D-01	-1.946619D-02	-1.473865D-02
8	A% 7< #	4.042800D-01	1.020169D-02	6.010789D-03
9	A% 8< #	2.370459D-01	-1.938361D-02	-2.134865D-03
10	A% 9< #	1.385706D-01	1.566702D-02	-1.585962D-03
11	A% 10< #	8.139298D-02	-1.042234D-02	-2.761029D-03
12	A% 11< #	4.830892D-02	3.955704D-03	-1.076539D-03
13	A% 12< #	3.052282D-02	-8.688212D-03	-9.508544D-04
14	A% 13< #	8.306292D-03	1.444416D-03	2.298587D-04
15	A% 14< #	-8.909079D-06	-9.959655D-04	-1.359629D-04
16	A% 15< #	1.5740700-03	1.287982D-03	-4.862650D-05
17	A% 16< #	5.252345D-04	-1.047334D-03	-2.081830D-05
18	A% 17< #	5.163518D-04	7.513286D-04	-1.332266D-05
19	A% 18< #	3.004396D-04	-4.853064D-04	1.307887D-05
20	A% 19< #	1.751398D-04	2.993440D-04	1.259293D-05
21	A% 20< #	9.933746D-05	-1.744182D-04	6.955470D-06
22	A% 21< #	4.979480D-05	8.838117D-05	5.777767D-06
23	A% 22< #	1.949988D-05	-3.398561D-05	-2.876107D-06
24	A% 23< #	4.278614D-07	1.009136D-05	9.573150D-07
25	A% 24< #	7.745836D-07	-5.892165D-07	-3.476447D-07

E = 2.10 eV, j = 1

j' = j

j' = j + 2

j' = j + 4

1	A% 0< #	9.399664D-00	1.318219D-00	1.005526D-00
2	A% 1< #	1.606059D-00	-5.366437D-01	-3.529000D-03
3	A% 2< #	1.556276D-00	-4.923363D-01	-4.163670D-01
4	A% 3< #	-3.515120D-00	-8.391429D-03	9.849031D-04
5	A% 4< #	6.644672D-00	-2.283497D-01	-3.189582D-02
6	A% 5< #	1.117582D-00	4.513563D-03	4.452615D-03
7	A% 6< #	7.180954D-01	-2.577102D-02	-1.999059D-02
8	A% 7< #	5.356552D-01	1.286985D-02	8.162976D-03
9	A% 8< #	3.073020D-01	-2.577217D-02	-2.883795D-03
10	A% 9< #	1.773207D-01	2.108092D-02	-2.194629D-03
11	A% 10< #	1.027333D-01	-1.442871D-02	-3.812517D-03
12	A% 11< #	5.944718D-02	6.324880D-03	-1.549458D-03
13	A% 12< #	3.645155D-02	-1.068893D-02	-1.377363D-03
14	A% 13< #	1.072324D-02	1.487118D-03	2.685735D-04
15	A% 14< #	7.586182D-04	-9.460425D-04	-1.644930D-04
16	A% 15< #	2.043841D-03	1.345664D-03	-5.159740D-05
17	A% 16< #	1.166200D-03	-1.099708D-03	-7.501647D-05
18	A% 17< #	6.379897D-04	7.930285D-04	-1.442332D-05
19	A% 18< #	3.557076D-04	-6.157316D-04	-1.346240D-05
20	A% 19< #	2.020875D-04	3.184078D-04	1.348275D-05
21	A% 20< #	1.116690D-04	-1.851776D-04	-9.760252D-05
22	A% 21< #	5.433524D-05	9.337626D-05	6.230452D-06
23	A% 22< #	2.051261D-05	-3.561706D-05	-3.018112D-06
24	A% 23< #	9.000771D-09	7.640336D-07	9.159129D-07
25	A% 24< #	5.276062D-07	-4.770438D-07	-3.302985D-07

E = 2.20 eV, j = 1

j' = j

j' = j + 2

j' = j + 4

1	A% 0< #	1.187472D-01	-2.479729D-00	-2.025465D-00
2	A% 1< #	1.612077D-00	-6.038029D-01	4.298854D-04
3	A% 2< #	4.076406D-00	-5.852288D-01	-8.373949D-01
4	A% 3< #	-4.066239D-00	3.207681D-03	1.767032D-03
5	A% 4< #	1.194344D-01	-4.784232D-01	-5.773340D-02
6	A% 5< #	1.521983D-00	1.024626D-02	5.706071D-03
7	A% 6< #	9.381421D-01	-3.240836D-02	-2.551515D-02
8	A% 7< #	6.774952D-01	1.553568D-02	1.039774D-02
9	A% 8< #	3.837686D-01	-3.232894D-02	-3.658183D-03
10	A% 9< #	2.198970D-01	2.663308D-02	-2.848575D-03
11	A% 10< #	1.265489D-01	-1.652250D-02	-4.934379D-03
12	A% 11< #	7.202350D-02	8.718223D-03	-2.074182D-03
13	A% 12< #	4.338629D-02	-1.270518D-02	-1.847659D-03
14	A% 13< #	1.372411D-02	1.557483D-03	3.013440D-04
15	A% 14< #	1.950198D-03	-9.124720D-04	-1.883935D-04
16	A% 15< #	2.563055D-03	1.403399D-03	-5.460766D-05
17	A% 16< #	1.430661D-03	-1.152598D-03	-7.928272D-05
18	A% 17< #	7.731290D-04	8.355282D-04	-1.555806D-05
19	A% 18< #	4.259790D-04	-5.470728D-04	-1.381291D-05
20	A% 19< #	2.346959D-04	3.381349D-04	1.438166D-05
21	A% 20< #	1.258630D-04	-1.963487D-04	-1.054954D-05
22	A% 21< #	5.977512D-05	5.859076D-05	6.702147D-05
23	A% 22< #	2.192914D-05	-3.735378D-05	-3.169550D-06
24	A% 23< #	-2.574411D-07	5.564989D-07	8.747633D-07
25	A% 24< #	3.244384D-07	-3.758861D-07	-3.130101D-07

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E = 2.30 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.679350D-01	-4.723739D-00	2.936536D-00
2	A% 1< *	2.243795D-00	-5.118231D-01	1.395315D-02
3	A% 2< *	1.778599D-01	-4.742627D-01	-1.633884D-00
4	A% 3< *	-3.815349D-00	4.076507D-02	2.869347D-03
5	A% 4< *	2.035100D-01	-5.640024D-01	-1.016700D-01
6	A% 5< *	1.483973D-00	6.431738D-03	5.389006D-03
7	A% 6< *	9.193929D-01	-3.179453D-02	-2.443845D-02
8	A% 7< *	6.729705D-01	1.529790D-02	9.871951D-03
9	A% 8< *	3.859908D-01	-3.082347D-02	-3.463141D-03
10	A% 9< *	2.238678D-01	2.625546D-02	-2.761970D-03
11	A% 10< *	1.304655D-01	-1.732385D-02	-4.760984D-03
12	A% 11< *	7.484560D-02	7.735088D-03	-2.051854D-03
13	A% 12< *	4.619774D-02	-1.232730D-02	-1.816172D-03
14	A% 13< *	1.652542D-02	1.674449D-03	2.765007D-04
15	A% 14< *	4.065857D-03	-1.029193D-03	-1.664085D-04
16	A% 15< *	3.132181D-03	1.461169D-03	-5.763844D-05
17	A% 16< *	1.721972D-03	-1.206069D-03	-8.359714D-05
18	A% 17< *	9.220602D-04	8.788462D-04	-1.674739D-05
19	A% 18< *	4.954898D-04	-5.793523D-04	-1.411529D-05
20	A% 19< *	2.700891D-04	3.585495D-04	1.528770D-05
21	A% 20< *	1.419989D-04	-2.079507D-04	-1.136287D-05
22	A% 21< *	6.616380D-05	1.040403D-04	7.193443D-06
23	A% 22< *	2.377708D-05	-3.920482D-05	-3.330059D-06
24	A% 23< *	-3.523309D-07	3.909145D-07	8.343736D-07
25	A% 24< *	1.657561D-07	-2.873533D-07	-2.956979D-07

E = 2.32 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.663190D-01	5.275855D-00	4.421673D-00
2	A% 1< *	2.550906D-00	-4.517408D-01	1.834732D-02
3	A% 2< *	2.163294D-01	3.949337D-01	1.825662D-00
4	A% 3< *	-3.530470D-00	5.280837D-02	3.030468D-03
5	A% 4< *	2.206727D-01	1.083367D-00	1.113320D-01
6	A% 5< *	1.323035D-00	2.615993D-03	4.812353D-03
7	A% 6< *	8.336262D-01	2.926384D-02	2.203919D-02
8	A% 7< *	6.219062D-01	1.434045D-02	8.864027D-03
9	A% 8< *	3.607236D-01	-2.791740D-02	-3.109209D-03
10	A% 9< *	2.110479D-01	2.273994D-02	-2.493072D-03
11	A% 10< *	1.240373D-01	1.538004D-02	-4.290124D-03
12	A% 11< *	7.178870D-02	6.464734D-03	-1.854331D-03
13	A% 12< *	4.508159D-02	1.149061D-02	-1.634101D-03
14	A% 13< *	1.608520D-02	1.700720D-03	2.558245D-04
15	A% 14< *	4.631065D-03	1.092729D-03	1.494170D-04
16	A% 15< *	3.252059D-03	1.472726D-03	-8.824939D-05
17	A% 16< *	1.783378D-03	1.216757D-03	-8.446524D-05
18	A% 17< *	9.535245D-04	8.876088D-04	-1.699159D-05
19	A% 18< *	5.150755D-04	5.859215D-04	1.417007D-05
20	A% 19< *	2.776315D-04	3.627157D-04	1.546974D-05
21	A% 20< *	1.454652D-04	2.103235D-04	1.152841D-05
22	A% 21< *	6.765914D-05	1.051590D-04	7.294045D-06
23	A% 22< *	2.420056D-05	3.958921D-05	3.363272D-06
24	A% 23< *	-3.575629D-07	3.631955D-07	8.264323D-07
25	A% 24< *	1.450295D-07	2.712978D-07	2.926478D-07

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E = 2.34 eV, j = 1

j' = j

1	A% 0< #	1.739776D 01
2	A% 1< #	2.938983D 00
3	A% 2< #	2.563641D 01
4	A% 3< #	-3.142383D 00
5	A% 4< #	2.356925D 01
6	A% 5< #	1.088364D 00
7	A% 6< #	7.085931D-01
8	A% 7< #	5.468616D-01
9	A% 8< #	3.231075D-01
10	A% 9< #	1.916364D-01
11	A% 10< #	1.140753D-01
12	A% 11< #	6.693913D-02
13	A% 12< #	4.310513D-02
14	A% 13< #	1.691430D-02
15	A% 14< #	5.227622D-03
16	A% 15< #	3.373971D-03
17	A% 16< #	1.845845D-03
18	A% 17< #	9.855548D-04
19	A% 18< #	5.309596D-04
20	A% 19< #	2.853306D-04
21	A% 20< #	1.490127D-04
22	A% 21< #	6.899425D-05
23	A% 22< #	2.464229D-05
24	A% 23< #	-3.496041D-07
25	A% 24< #	1.224517D-07

j' = j + 2

j' = j + 4

1	5.817537D 00	1.872378D-00
2	-3.746712D-01	2.312630D-02
3	2.910970D-01	2.011415D 00
4	6.604478D-02	3.141349D-03
5	1.200292D 00	1.202214D-01
6	-2.612409D-03	3.994747D-03
7	2.559895D-02	1.861344D-02
8	1.296750D-02	7.434246D-03
9	2.380023D-02	2.608466D-03
10	1.918242D-02	-2.104373D-03
11	1.264524D-02	-3.612282D-03
12	4.699504D-03	-1.563057D-03
13	1.030285D-02	-1.367130D-03
14	1.725196D-03	2.285253D-04
15	1.172801D-03	1.271256D-04
16	1.464289D-03	-5.865645D-05
17	1.227527D-03	-6.533331D-05
18	8.964042D-04	-1.723773D-05
19	5.925281D-04	1.422289D-05
20	3.669092D-04	1.565202D-05
21	2.127139D-04	1.169491D-05
22	1.062871D-04	7.395416D-06
23	3.967811D-05	3.36834D-06
24	3.373378D-07	8.165386D-07
25	2.558196D-07	2.893188D-07

E = 2.36 eV, j = 1

j' = j

1	A% 0< #	1.803604D 01
2	A% 1< #	3.398176D 00
3	A% 2< #	2.958368D-01
4	A% 3< #	-2.655674D 00
5	A% 4< #	2.472323D 01
6	A% 5< #	7.793050D-01
7	A% 6< #	5.440473D-01
8	A% 7< #	4.477081D-01
9	A% 8< #	2.730452D-01
10	A% 9< #	1.655514D-01
11	A% 10< #	1.005119D-01
12	A% 11< #	6.025250D-02
13	A% 12< #	4.023121D-02
14	A% 13< #	1.681641D-02
15	A% 14< #	5.835532D-03
16	A% 15< #	3.497911D-03
17	A% 16< #	1.909370D-03
18	A% 17< #	1.018151D-03
19	A% 18< #	5.471427D-04
20	A% 19< #	2.931874D-04
21	A% 20< #	1.526414D-04
22	A% 21< #	7.046942D-05
23	A% 22< #	2.510260D-05
24	A% 23< #	-3.343410D-07
25	A% 24< #	1.020558D-07

j' = j + 2

j' = j + 4

1	6.314350D 00	5.278553D 00
2	-2.821670D-01	2.812402D-02
3	1.642627D-01	2.178758D 00
4	7.992188D-02	3.176333D-03
5	1.317256D 00	1.275482D-01
6	-9.234574D-03	2.938556D-03
7	2.080317D-02	1.416476D-02
8	1.118836D-02	5.585475D-03
9	1.848495D-02	1.962316D-03
10	1.459416D-02	-1.595448D-03
11	5.128687D-03	-2.727194D-03
12	2.447177D-03	-1.176756D-03
13	8.769645D-03	-1.014194D-03
14	1.746006D-03	1.951121D-04
15	1.227908D-03	9.990881D-05
16	1.495856D-03	-5.946380D-05
17	1.238323D-03	-8.620263D-05
18	9.052340D-04	-1.748586D-05
19	5.941738D-04	1.427392D-05
20	3.711315D-04	1.583464D-05
21	2.151218D-04	1.186234D-05
22	1.074247D-04	7.497549D-06
23	4.037191D-05	3.430781D-06
24	3.133917D-07	8.107072D-07
25	2.409301D-07	2.860125D-07

E = 2.38 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.848717D-01	6.729888D-00	5.609049D-00
2	A% 1< #	3.920502D-00	-1.780683D-01	3.306107D-02
3	A% 2< #	3.322353D-01	1.909718D-02	2.314853D-00
4	A% 3< #	-2.088170D-00	6.368772D-02	3.121081D-03
5	A% 4< #	2.540917D-01	1.366325D-00	1.329532D-01
6	A% 5< #	4.042637D-01	-1.705517D-02	1.675353D-03
7	A% 6< #	3.445781D-01	1.502055D-02	8.824606D-03
8	A% 7< #	3.272738D-01	6.064622D-03	3.373402D-03
9	A% 8< #	2.119594D-01	1.213584D-02	1.190447D-03
10	A% 9< #	1.335200D-01	9.115941D-03	-9.806117D-04
11	A% 10< #	8.371058D-02	4.938164D-03	-1.660162D-03
12	A% 11< #	6.190226D-02	-2.223351D-04	-7.055768D-04
13	A% 12< #	3.652581D-02	6.940384D-03	-5.846781D-04
14	A% 13< #	1.650849D-02	1.761279D-03	1.569427D-04
15	A% 14< #	6.429383D-03	1.374333D-03	6.884541D-05
16	A% 15< #	3.623890D-03	1.507425D-03	-6.007116D-05
17	A% 16< #	1.973961D-03	1.249143D-03	-8.707304D-05
18	A% 17< #	1.051318D-03	9.140980D-04	-1.773624D-05
19	A% 18< #	5.636271D-04	6.058580D-04	1.432292D-05
20	A% 19< #	3.012031D-04	3.753824D-04	1.601749D-05
21	A% 20< #	1.563525D-04	2.175477D-04	1.203074D-05
22	A% 21< #	7.198552D-05	1.065726D-04	7.600503D-06
23	A% 22< #	2.558173D-05	4.077066D-05	3.465104D-06
24	A% 23< #	-3.116964D-07	2.913722D-07	8.029304D-07
25	A% 24< #	8.387444D-08	2.266408D-07	2.827303D-07

E = 2.40 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.871893D-01	7.032831D-00	5.937836D-00
2	A% 1< #	4.480440D-00	-6.817847D-02	3.764000D-02
3	A% 2< #	3.630647D-01	-1.368331D-01	-2.406944D-00
4	A% 3< #	-1.470223D-00	1.064944D-01	2.970851D-03
5	A% 4< #	2.554853D-01	-1.460692D-06	-1.356502D-01
6	A% 5< #	-1.894555D-02	-2.570393D-02	2.666112D-04
7	A% 6< #	1.199089D-01	-8.536902D-03	-2.848986D-03
8	A% 7< #	1.914799D-01	6.709998D-03	9.068432D-04
9	A% 8< #	1.427525D-01	-8.066435D-03	-3.298056D-04
10	A% 9< #	5.707873D-02	3.018048D-03	-2.895208D-04
11	A% 10< #	6.447245D-02	-2.798982D-04	-4.626690D-04
12	A% 11< #	4.228319D-02	-3.178004D-03	-1.715788D-04
13	A% 12< #	3.216320D-02	-4.907668D-03	-9.921648D-05
14	A% 13< #	1.600736D-02	1.769426D-03	1.159807D-04
15	A% 14< #	5.981313D-03	-1.486450D-03	-3.564283D-05
16	A% 15< #	3.751394D-03	1.519090D-03	-6.058190D-05
17	A% 16< #	2.039407D-03	-1.260064D-03	-8.765527D-05
18	A% 17< #	1.084986D-03	5.229716D-04	-1.800722D-05
19	A% 18< #	5.804170D-04	-6.125597D-04	-1.435580D-05
20	A% 19< #	3.093792D-04	3.796624D-04	1.620050D-05
21	A% 20< #	1.601469D-04	-2.199921D-04	-1.220005D-05
22	A% 21< #	7.354278D-05	1.097306D-04	7.704265D-06
23	A% 22< #	2.608012D-05	-4.117481D-05	-3.499832D-06
24	A% 23< #	-2.815817D-07	2.713047D-07	7.952070D-07
25	A% 24< #	6.794004D-08	-2.129526D-07	-2.764738D-07

E = 2.42 eV, j = 1		j' = j	j' = j + 2	j' = j + 3
1	A% 0< #	1.871630D 01	7.203903D 00	5.049854D 00
2	A% 1< #	5.048431D 00	4.058109D-02	4.153743D-02
3	A% 2< #	3.863839D 01	-2.940897D-01	2.454937D 00
4	A% 3< #	-8.401443D-01	1.175864D-01	2.730369D-03
5	A% 4< #	2.512598D 01	1.496201D 00	1.356485D-01
6	A% 5< #	-4.656296D-01	-3.468411D-02	-1.203281D-03
7	A% 6< #	-1.169832D-01	1.752731D-03	-3.390480D-03
8	A% 7< #	4.834093D-02	4.272066D-03	-1.668628D-03
9	A% 8< #	6.980214D-02	-2.296470D-03	-5.649218D-04
10	A% 9< #	5.849199D-02	-3.334859D-03	4.375933D-04
11	A% 10< #	4.359476D-02	-4.568838D-03	7.948811D-04
12	A% 11< #	3.199924D-02	-6.244761D-03	3.940313D-04
13	A% 12< #	2.742291D-02	2.796002D-03	4.147920D-04
14	A% 13< #	1.536142D-02	1.769960D-03	7.518894D-05
15	A% 14< #	7.470530D-03	1.597477D-03	2.366017D-06
16	A% 15< #	3.881448D-03	1.530662D-03	-6.118999D-05
17	A% 16< #	2.106125D-03	1.270932D-03	-8.872679D-05
18	A% 17< #	1.119294D-03	9.319032D-04	-1.826213D-05
19	A% 18< #	5.975052D-04	6.193210D-04	1.440070D-05
20	A% 19< #	3.177149D-04	3.839702D-04	1.638371D-05
21	A% 20< #	1.640240D-04	2.224539D-04	1.237025D-05
22	A% 21< #	7.514122D-05	1.108984D-04	7.808803D-06
23	A% 22< #	2.659769D-05	4.158403D-05	3.534955D-05
24	A% 23< #	-2.438935D-07	2.532359D-C7	7.875534D-07
25	A% 24< #	5.428444D-08	1.999067D-C7	2.752446D-C7

E = 2.44 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.849399D 01	7.239983D 00	5.944353D 00
2	A% 1< #	5.594915D 00	1.417211D-01	4.459618D-02
3	A% 2< #	4.011937D 01	-4.435171D-01	2.452433D 00
4	A% 3< #	-2.365196D-01	1.264007D-01	2.417677D-03
5	A% 4< #	2.419229D 01	1.502226D 00	1.327907D-01
6	A% 5< #	-9.090172D-01	-4.347895D-02	-2.647938D-03
7	A% 6< #	-3.517073D-01	-4.927590D-03	-5.532083D-03
8	A% 7< #	-9.337479D-02	1.904468D-03	-4.198017D-03
9	A% 8< #	-2.534187D-03	-9.511973D-03	-1.442631D-03
10	A% 9< #	2.011691D-02	-9.562352D-03	1.156887D-03
11	A% 10< #	2.353686D-02	-9.319059D-03	2.037085D-03
12	A% 11< #	2.168598D-02	-9.241018D-03	9.575675D-04
13	A% 12< #	2.260733D-02	7.336103D-04	9.261033D-04
14	A% 13< #	1.462865D-02	1.762877D-03	3.687004D-05
15	A% 14< #	7.881644D-03	1.701032D-03	-2.895323D-05
16	A% 15< #	4.013551D-03	1.542242D-03	-6.179483D-05
17	A% 16< #	2.173909D-03	1.281824D-03	-8.959931D-05
18	A% 17< #	1.154176D-03	9.408702D-04	-1.851936D-05
19	A% 18< #	6.148978D-04	6.261220D-04	1.444346D-05
20	A% 19< #	3.262113D-04	3.883068D-04	1.656701D-05
21	A% 20< #	1.679848D-04	2.249343D-C4	1.254136D-05
22	A% 21< #	7.678143D-05	1.120769D-04	7.914171D-06
23	A% 22< #	2.713444D-05	4.159816D-05	3.570482D-05
24	A% 23< #	-1.985409D-07	2.372014D-07	7.799787D-07
25	A% 24< #	4.293915D-08	1.874638D-C7	2.730441D-C7

E = 2.46 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.8090040 01	7.1533350 00	8.8337050 00
2	A% 1< #	6.0955380 00	2.3016590-01	4.6719070-02
3	A% 2< #	4.0754270 01	-5.7761940-01	2.4065920 00
4	A% 3< #	3.0072020D-01	1.3270360D-01	2.0551170D-03
5	A% 4< #	2.2850790 01	1.4814940 00	1.2780040-01
6	A% 5< #	-1.3252820 00	-5.1640440D-02	-3.9900930D-03
7	A% 6< #	-5.715980D-01	-1.1141520D-02	-1.5248360D-02
8	A% 7< #	-2.2893370D-01	-2.6131510D-04	-6.546880D-03
9	A% 8< #	-7.026628D-02	-1.619478D-02	-2.2565650D-03
10	A% 9< #	-1.590720D-02	-1.533300D-02	1.829889D-03
11	A% 10< #	4.2520060D-03	-1.3719260D-02	3.1475210D-03
12	A% 11< #	1.1931120D-02	-1.2010070D-02	1.4885920D-03
13	A% 12< #	1.8003160D-02	-1.1682810D-03	1.4072740D-03
14	A% 13< #	1.387358D-02	1.7491930D-03	3.0393670D-06
15	A% 14< #	8.2108130D-03	1.7921360D-03	-5.6714460D-05
16	A% 15< #	4.147710D-03	1.5538240D-03	-6.2400990D-05
17	A% 16< #	2.2427620D-03	1.292740D-03	-6.0473920D-05
18	A% 17< #	1.189634D-03	9.4987300D-04	-1.877889D-05
19	A% 18< #	6.3259610D-04	6.3296310D-04	1.4484200D-05
20	A% 19< #	3.348699D-04	3.926733D-04	1.6750580D-05
21	A% 20< #	1.720303D-04	2.274337D-04	1.271349D-05
22	A% 21< #	7.846360D-05	1.132656D-04	8.020345D-06
23	A% 22< #	2.7690860D-05	4.241768D-05	3.506423D-06
24	A% 23< #	-1.454388D-07	2.232301D-07	7.724868D-07
25	A% 24< #	3.353528D-08	1.757048D-07	2.658738D-07

E = 2.48 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.7555220 01	6.9670740 00	5.6393400 00
2	A% 1< #	6.5347070 00	3.0300380-01	4.7933850D-02
3	A% 2< #	4.0635730 01	-6.9174520-01	2.3262470 00
4	A% 3< #	7.7495360-01	1.3655780D-01	1.6670680D-03
5	A% 4< #	2.1230580 01	1.4390900 00	1.2116770-01
6	A% 5< #	-1.647320D 00	-5.886013D-02	-5.176320D-03
7	A% 6< #	-7.676069D-01	21.6634510D-02	-2.030945D-02
8	A% 7< #	-3.438203D-01	-2.1365660D-03	-8.621440D-03
9	A% 8< #	-1.305355D-01	-2.207841D-02	-2.974350D-03
10	A% 9< #	-4.803516D-02	-2.041737D-02	2.429201D-03
11	A% 10< #	-1.301706D-02	-1.759590D-02	4.229154D-03
12	A% 11< #	3.168430D-03	-1.444449D-02	1.965081D-03
13	A% 12< #	1.382850D-02	-2.833497D-03	1.838458D-03
14	A% 13< #	1.315276D-02	1.730390D-03	-2.510063D-05
15	A% 14< #	8.463730D-03	1.867895D-03	-7.994225D-05
16	A% 15< #	4.283931D-03	1.565411D-03	-6.300797D-05
17	A% 16< #	2.312665D-03	1.303679D-03	-5.135031D-05
18	A% 17< #	1.225670D-03	5.589107D-04	-1.904055D-05
19	A% 18< #	6.506017D-04	6.398435D-04	1.452300D-05
20	A% 19< #	3.436907D-04	3.970688D-04	1.693443D-05
21	A% 20< #	1.761604D-04	2.299518D-04	1.288656D-05
22	A% 21< #	8.018813D-05	1.144650D-04	8.127310D-06
23	A% 22< #	2.826697D-05	4.284243D-05	3.642777D-06
24	A% 23< #	-8.450309D-08	2.113503D-07	7.650815D-07
25	A% 24< #	2.730356D-08	1.645802D-07	2.667351D-07

E = 2.50 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.694209D-01	-6.703969D-00	-6.386039D-00
2	A% 1< #	6.906105D-00	3.595122D-01	4.842153D-02
3	A% 2< #	3.968934D-01	-7.841866D-01	-2.221642D-00
4	A% 3< #	1.153603D-00	1.322377D-01	1.267176D-03
5	A% 4< #	-1.946004D-01	-1.381111D-00	-1.125178D-01
6	A% 5< #	-2.015969D-00	-6.498721D-02	-6.180423D-03
7	A% 6< #	-9.349322D-01	-2.127617D-02	-2.459771D-02
8	A% 7< #	-4.441175D-01	-3.679714D-03	-1.037441D-02
9	A% 8< #	-1.818157D-01	-2.703129D-02	-3.579935D-03
10	A% 9< #	-7.542883D-02	-2.470211D-02	2.940342D-03
11	A% 10< #	-2.780262D-02	-2.086352D-02	-5.107449D-03
12	A% 11< #	-4.356945D-03	-1.649228D-02	-2.375095D-03
13	A% 12< #	1.021344D-02	-4.225231D-03	-2.208843D-03
14	A% 13< #	1.250751D-02	1.708053D-03	-4.717192D-05
15	A% 14< #	8.662530D-03	-1.927488D-03	-8.829830D-05
16	A% 15< #	4.422224D-03	1.577006D-03	-6.361132D-05
17	A% 16< #	2.383682D-03	-1.314642D-03	-9.222737D-05
18	A% 17< #	1.262285D-03	9.679834D-04	-1.930418D-05
19	A% 18< #	6.689127D-04	-6.467631D-04	-1.455979D-05
20	A% 19< #	3.526745D-04	4.014932D-04	1.711841D-05
21	A% 20< #	-1.803756D-04	-2.324881D-04	-1.306051D-05
22	A% 21< #	8.195493D-05	1.156744D-04	8.235049D-06
23	A% 22< #	2.886276D-05	-4.327218D-05	-3.679534D-06
24	A% 23< #	-1.565084D-08	2.015902D-07	7.577664D-07
25	A% 24< #	2.307433D-08	-1.541205D-07	-6.36295D-07

E = 2.52 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.629670D-01	-6.405108D-00	-5.097701D-00
2	A% 1< #	7.2108600-00	4.002656D-01	4.805257D-02
3	A% 2< #	3.873700D-01	-6.554862D-01	-2.102647D-00
4	A% 3< #	1.445778D-00	1.382624D-01	5.054186D-04
5	A% 4< #	1.764807D-01	-1.313450D-00	-1.053960D-01
6	A% 5< #	-2.279112D-00	-7.002133D-02	-6.994234D-03
7	A% 6< #	-1.072450D-00	-2.504283D-02	-2.809359D-02
8	A% 7< #	-5.261595D-01	-4.889453D-03	-1.179902D-02
9	A% 8< #	-2.237387D-01	-3.103646D-02	-4.070963D-03
10	A% 9< #	-9.786804D-02	-2.817155D-02	3.360099D-03
11	A% 10< #	-3.996789D-02	-2.351074D-02	-8.827200D-03
12	A% 11< #	-1.056771D-02	-1.814823D-02	2.715067D-03
13	A% 12< #	7.207613D-03	-5.339334D-03	2.515906D-03
14	A% 13< #	1.196268D-02	1.683819D-03	-6.329655D-05
15	A% 14< #	6.792305D-03	1.971715D-03	-1.119905D-04
16	A% 15< #	4.562586D-03	1.588569D-03	-6.423066D-05
17	A% 16< #	2.455755D-03	1.3255627D-03	-9.310817D-05
18	A% 17< #	1.299481D-03	9.770916D-04	-1.957014D-05
19	A% 18< #	6.875339D-04	6.537226D-04	1.459457D-05
20	A% 19< #	3.618225D-04	4.059471D-04	1.730258D-05
21	A% 20< #	1.846766D-04	2.350434D-04	1.323540D-05
22	A% 21< #	8.376471D-05	1.168945D-04	8.343602D-06
23	A% 22< #	2.997884D-05	4.370761D-05	3.716728D-06
24	A% 23< #	6.120443D-08	1.939782D-07	7.505462D-07
25	A% 24< #	2.127763D-08	1.443360D-07	2.605591D-07

E = 2.54 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.5634600 01	6.0614060 00	4.7040830 00
2	A% 1< #	7.4553400 00	4.2748010-01	4.7330000-02
3	A% 2< #	3.7220740 01	-5.0786690-01	1.9773530 00
4	A% 3< #	1.6596680 00	1.3686620-01	5.4889780-04
5	A% 4< #	1.5E76C9D 01	1.2411370 00	9.7244950-02
6	A% 5< #	-2.4895670 00	-7.4005880-02	-7.6360030-03
7	A% 6< #	-1.1E18770 00	-2.7990330-02	-3.0846940-02
8	A% 7< #	-5.9100270-01	-5.7888660-03	-1.2916500-02
9	A% 8< #	-2.5682880-01	-3.4156670-02	-4.4550350-03
10	A% 9< #	-1.1E5124D-01	-3.0881180-02	3.6941880-03
11	A% 10< #	-4.9E3601D-02	-2.5580760-02	6.3983810-03
12	A% 11< #	-1.5E1946D-02	-1.9440630-02	2.9889980-03
13	A% 12< #	4.7E5104D-03	-6.1E6249D-03	2.762607D-03
14	A% 13< #	1.1E27250-02	1.658743D-03	-7.428089D-05
15	A% 14< #	8.8E7821D-03	2.002369D-03	-1.214859D-04
16	A% 15< #	4.7E05048D-03	1.6E0170D-03	-6.4E3967D-05
17	A% 16< #	2.5E28907D-03	1.3E36634D-03	-9.398986D-05
18	A% 17< #	1.3E37260D-C3	9.8E2343D-04	-1.983805D-05
19	A% 18< #	7.0E64643D-C4	6.6E07210D-04	1.4E2736D-05
20	A% 19< #	3.7E11346D-04	4.1E04297D-04	1.748693D-05
21	A% 20< #	1.8E90634D-04	2.3E76170D-04	1.341120D-05
22	A% 21< #	8.5E1740D-05	1.1E1249D-04	6.4E2931D-06
23	A% 22< #	3.0E11484D-C5	4.4E14800D-C5	3.7E4323D-06
24	A% 23< #	1.4E1351D-C7	1.8E85403D-07	7.4E34227D-07
25	A% 24< #	2.1E4318D-C8	1.3E2370D-C7	2.5E75239D-07

E = 2.56 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.5040230 01	5.7523570 00	4.4E99420 00
2	A% 1< #	7.6480280 00	4.4326930-01	4.632079D-02
3	A% 2< #	3.5E37100 01	-5.441564D-01	1.8519080 00
4	A% 3< #	1.8E58600 00	1.346258D-01	2.315030D-04
5	A% 4< #	1.4E19752D 01	1.1E67956D 00	8.938055D-02
6	A% 5< #	-2.6E3403D 00	-7.7129020-02	-8.124826D-03
7	A% 6< #	-1.2E65970D 00	-3.014553D-02	-3.291285D-02
8	A% 7< #	-6.4E04793D-01	-6.4E22369D-03	-1.376400D-02
9	A% 8< #	-2.8E19413D-01	-3.6E52631D-02	-4.739578D-03
10	A% 9< #	-1.2E91894D-01	-3.2E92433D-02	3.952227D-03
11	A% 10< #	-5.7E7662D-02	-2.714461D-02	6.837787D-03
12	A% 11< #	-1.9E34519D-02	-2.0E41519D-02	3.203941D-03
13	A% 12< #	2.9E21074D-03	-6.827586D-03	2.955498D-03
14	A% 13< #	1.1E19901D-02	1.6E34418D-03	-8.02632D-05
15	A% 14< #	8.9E1475E-03	2.0E22086D-03	-1.273737D-04
16	A% 15< #	4.8E49147D-03	1.6E12037D-03	-6.533473D-05
17	A% 16< #	2.6E02980D-03	1.3E47878D-03	-9.477549D-05
18	A% 17< #	1.3E75535D-03	9.9E54129D-04	-2.010827D-05
19	A% 18< #	7.2E56904D-04	6.6E77433D-04	1.4E65645D-05
20	A% 19< #	3.8E06129D-04	4.1E49428D-04	1.7E7145D-05
21	A% 20< #	1.9E35374D-C4	2.4E02103D-C4	1.358795D-05
22	A% 21< #	8.7E1388D-C5	1.1E93665D-04	6.563100D-06
23	A% 22< #	3.0E77149D-C5	4.4E59424D-C5	3.7E92377D-06
24	A% 23< #	2.3E92307D-C7	1.8E30500D-07	7.3E64007D-07
25	A% 24< #	2.5E10039D-C8	1.2E68333D-C7	2.5E45262D-C7

	$E = 2.58 \text{ eV}, j = 1$	$j' = j$	$j' = j + 2$	$j' = j + 4$
1	A% 0< #	1.446835D 01	5.431274D 00	4.155531D 00
2	A% 1< #	7.798476D 00	4.499847D-01	4.504192D-02
3	A% 2< #	3.353339D 01	-5.673408D-01	1.720486D 00
4	A% 3< #	1.897135D 00	1.316869D-01	-6.658875D-05
5	A% 4< #	1.264270D 01	1.096602D 00	8.156128D-02
6	A% 5< #	-2.777313D 00	-7.945110D-02	-8.4E3878D-03
7	A% 6< #	-1.329247D 00	-3.175793D-02	-3.445847D-02
8	A% 7< #	-6.770983D-01	-6.828239D-03	-1.438447D-02
9	A% 8< #	-2.004904D-01	-3.822204D-02	-4.950732D-03
10	A% 9< #	-1.391746D-01	-3.440839D-02	4.145719D-03
11	A% 10< #	-6.258981D-02	-2.828418D-02	7.165955D-03
12	A% 11< #	-2.219006D-02	-2.112387D-02	3.368294D-03
13	A% 12< #	1.520678D-03	-7.271287D-03	3.102824D-03
14	A% 13< #	1.097302D-02	1.610100D-03	-8.386550D-05
15	A% 14< #	9.055258D-03	2.032226D-03	-1.304808D-04
16	A% 15< #	4.995793D-03	1.623656D-03	-6.594373D-05
17	A% 16< #	2.678295D-03	1.358936D-03	-9.565963D-05
18	A% 17< #	1.414482D-03	1.004629D-03	-2.038020D-05
19	A% 18< #	7.452426D-04	6.748226D-04	1.468540D-05
20	A% 19< #	3.902568D-04	4.154847D-04	1.755617D-05
21	A% 20< #	1.980978D-04	2.428214D-04	1.376556D-05
22	A% 21< #	8.945357D-05	1.206180D-04	8.674022D-06
23	A% 22< #	3.144846D-05	4.504561D-05	3.830839D-06
24	A% 23< #	3.405658D-07	1.842985D-07	7.254828D-07
25	A% 24< #	3.077822D-08	1.191350D-07	2.515667D-07

	$E = 2.60 \text{ eV}, j = 1$	$j' = j$	$j' = j + 2$	$j' = j + 4$
1	A% 0< #	1.394641D 01	5.125706D 00	3.917009D 00
2	A% 1< #	7.915308D 00	4.497035D-01	4.372798D-02
3	A% 2< #	3.222905D 01	-5.802267D-01	-1.615635D 00
4	A% 3< #	1.944436D 00	1.283859D-01	-3.470810D-04
5	A% 4< #	1.122464D 01	1.028736D 00	7.510325D-02
6	A% 5< #	-2.868565D 00	-8.115946D-02	-8.738613D-03
7	A% 6< #	-1.375154D 00	-3.287391D-02	-3.555469D-02
8	A% 7< #	-7.030990D-01	-7.053207D-03	-1.422010D-02
9	A% 8< #	-3.125600D-01	-3.939006D-02	-6.098005D-03
10	A% 9< #	-1.462200D-01	-3.543896D-02	4.2E6384D-03
11	A% 10< #	-6.651823D-02	-2.967281D-02	-7.403152D-03
12	A% 11< #	-2.422725D-02	-2.161749D-02	3.491215D-03
13	A% 12< #	5.152324D-04	-7.562883D-03	3.212528D-03
14	A% 13< #	1.083687D-02	1.566742D-03	-8.415225D-05
15	A% 14< #	9.126295D-03	2.035239D-03	-1.313441D-04
16	A% 15< #	5.144551D-03	1.635285D-03	-6.654934D-05
17	A% 16< #	2.754703D-03	1.370021D-03	-9.654514D-05
18	A% 17< #	1.454020D-03	1.013882D-03	-2.065441D-05
19	A% 18< #	7.651100D-04	-6.819435D-04	-1.471220D-05
20	A% 19< #	4.000689D-04	4.240575D-04	1.804106D-05
21	A% 20< #	2.027465D-04	2.454526D-04	1.394414D-05
22	A% 21< #	9.143764D-05	1.218809D-04	8.785773D-06
23	A% 22< #	3.214624D-05	-4.550265D-05	-3.859744D-06
24	A% 23< #	4.502246D-07	1.855477D-07	7.226710D-07
25	A% 24< #	3.900580D-08	-1.215120D-07	-2.466457D-07

E = 2.70 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.207567D-01	-3.915291D-00	-2.821606D-00
2	A% 1< #	8.218210D-00	3.931403D-01	3.664941D-02
3	A% 2< #	2.479867D-01	-9.602043D-01	-1.164176D-00
4	A% 3< #	1.811880D-00	1.116770D-01	-1.328939D-03
5	A% 4< #	6.043410D-00	-7.552559D-01	-4.934119D-02
6	A% 5< #	-3.029622D-00	-8.432012D-02	-9.078712D-03
7	A% 6< #	-1.448118D-00	-3.403911D-02	-3.704806D-02
8	A% 7< #	-7.374376D-01	-6.602946D-03	-1.536551D-02
9	A% 8< #	-3.253448D-01	-4.058228D-02	-5.270120D-03
10	A% 9< #	-1.546894D-01	-3.659673D-02	4.616741D-03
11	A% 10< #	-7.161924D-02	-3.003356D-02	-7.775243D-03
12	A% 11< #	-2.694095D-02	-2.220452D-02	3.728094D-03
13	A% 12< #	-7.663093D-04	-7.690317D-03	-3.420825D-03
14	A% 13< #	1.110896D-02	1.487167D-03	-6.312940D-05
15	A% 14< #	5.580976D-03	1.993121D-03	-1.176118D-04
16	A% 15< #	5.920085D-03	1.693513D-03	-6.960757D-05
17	A% 16< #	3.153190D-03	1.425803D-03	-1.010044D-04
18	A% 17< #	1.660592D-03	1.060689D-03	-2.205905D-05
19	A% 18< #	8.691848D-04	-7.181503D-04	-1.481501D-05
20	A% 19< #	4.516555D-04	4.473672D-04	1.896746D-05
21	A% 20< #	2.273171D-04	-2.588933D-04	-1.485043D-05
22	A% 21< #	1.020266D-04	1.283581D-04	9.356510D-06
23	A% 22< #	3.555025D-05	-4.787191D-05	-4.676878D-06
24	A% 23< #	1.125900D-06	2.265245D-07	6.903698D-07
25	A% 24< #	-1.163527D-07	-8.830904D-08	-2.346968D-07

E = 2.80 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.110890D-01	-3.167232D-00	-2.142622D-00
2	A% 1< #	8.363115D-00	3.117224D-01	3.095139D-02
3	A% 2< #	1.965818D-01	-8.958102D-01	-8.845988D-01
4	A% 3< #	1.471141D-00	9.880551D-02	-2.003046D-03
5	A% 4< #	-2.099110D-00	-5.912370D-01	-3.425880D-02
6	A% 5< #	-2.992505D-00	-8.411395D-02	-8.828508D-03
7	A% 6< #	-1.416294D-00	-3.234439D-02	-3.556130D-02
8	A% 7< #	-7.077606D-01	-6.178257D-03	-1.486339D-02
9	A% 8< #	-3.116529D-01	-3.883728D-02	-5.082709D-03
10	A% 9< #	-1.448398D-01	-3.523204D-02	4.434899D-03
11	A% 10< #	-6.658078D-02	-2.948630D-02	-7.613657D-03
12	A% 11< #	-2.436226D-02	-2.161915D-02	3.709263D-03
13	A% 12< #	-7.427474D-04	-6.992558D-03	-3.399343D-03
14	A% 13< #	1.223644D-02	1.408158D-03	-3.101656D-05
15	A% 14< #	1.029990D-02	-1.920930D-03	-9.460050D-05
16	A% 15< #	6.749072D-03	1.751930D-03	-7.267285D-05
17	A% 16< #	2.579352D-03	-1.482225D-03	-1.055073D-04
18	A% 17< #	1.882127D-03	1.108419D-03	-2.351866D-05
19	A% 18< #	9.812602D-04	-7.553803D-04	-1.486536D-05
20	A% 19< #	5.075204D-04	4.714357D-04	1.989683D-05
21	A% 20< #	2.541439D-04	-2.728229D-04	-1.577924D-05
22	A% 21< #	1.137553D-04	1.351135D-04	9.947508D-06
23	A% 22< #	4.029548D-05	-6.038464D-05	-4.283336D-06
24	A% 23< #	2.020754D-06	3.276880D-07	6.612814D-07
25	A% 24< #	2.675310D-07	-6.376973D-08	-2.219433D-07

E = 2.90 eV, j = 1

j' = j

1	A%	0< #	1.064027D-01
2	A%	1< #	8.505617D-00
3	A%	2< #	1.622627D-01
4	A%	3< #	1.128657D-00
5	A%	4< #	1.343716D-00
6	A%	5< #	-2.920650D-00
7	A%	6< #	-1.366556D-00
8	A%	7< #	-6.670554D-01
9	A%	8< #	-2.878918D-01
10	A%	9< #	-1.314444D-01
11	A%	10< #	-5.942510D-02
12	A%	11< #	-2.060312D-02
13	A%	12< #	2.998170D-03
14	A%	13< #	1.371240D-02
15	A%	14< #	1.125812D-02
16	A%	15< #	7.632076D-03
17	A%	16< #	4.033527D-03
18	A%	17< #	2.118831D-03
19	A%	18< #	1.01469D-03
20	A%	19< #	5.677504D-04
21	A%	20< #	2.832803D-04
22	A%	21< #	1.266567D-04
23	A%	22< #	4.519927D-05
24	A%	23< #	2.143668D-06
25	A%	24< #	4.867812D-07

j' = j + 2

j' = j + 4

1			2.7693798-00
2			2.360288D-01
3			-8.340145D-01
4			9.004047D-02
5			-4.866937D-01
6			-8.349919D-02
7			-3.024781D-02
8			-3.649995D-03
9			-3.674561D-02
10			-3.357491D-02
11			-2.792737D-02
12			-2.090986D-02
13			-6.212881D-03
14			1.338074D-03
15			1.848542D-03
16			1.810584D-03
17			-1.539321D-03
18			1.157094D-03
19			-7.936516D-04
20			4.962783D-04
21			-2.872515D-04
22			1.421560D-04
23			-5.304732D-05
24			4.920396D-07
25			-6.964944D-08

E = 3.00 eV, j = 1

j' = j

1	A%	0< #	1.044116D-01
2	A%	1< #	8.676155D-00
3	A%	2< #	1.388619D-01
4	A%	3< #	8.261661D-01
5	A%	4< #	2.163944D-01
6	A%	5< #	-2.857130D-00
7	A%	6< #	-1.321321D-00
8	A%	7< #	-6.289023D-01
9	A%	8< #	-2.651574D-01
10	A%	9< #	-1.183917D-01
11	A%	10< #	-5.233215D-02
12	A%	11< #	-1.679824D-02
13	A%	12< #	5.346218D-03
14	A%	13< #	1.535749D-02
15	A%	14< #	1.240913D-02
16	A%	15< #	8.570946D-03
17	A%	16< #	4.516638D-03
18	A%	17< #	2.371205D-03
19	A%	18< #	1.230104D-03
20	A%	19< #	6.325105D-04
21	A%	20< #	3.148195D-04
22	A%	21< #	1.407816D-04
23	A%	22< #	5.068596D-05
24	A%	23< #	4.503009D-06
25	A%	24< #	7.801591D-07

j' = j + 2

j' = j + 4

1			2.421902D-00
2			1.700467D-01
3			-7.823691D-01
4			8.420263D-02
5			-4.193767D-01
6			-8.326297D-02
7			-2.833377D-02
8			-2.218738D-03
9			-3.453698D-02
10			-3.216072D-02
11			-2.655260D-02
12			-2.032392D-02
13			-5.531027D-03
14			1.269744D-03
15			-1.779725D-03
16			1.869296D-03
17			-1.557069D-03
18			1.206744D-03
19			-6.330003D-04
20			5.219188D-04
21			-3.021977D-04
22			1.494974D-04
23			-5.586494D-05
24			7.224157D-07
25			-1.370044D-07

ORIGINAL PAGE IS  
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E = 3.50 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.084393D 01	1.076206D 00	8.838286D-01
2	AX 1< #	9.846776D 00	-6.944335D-02	1.456218D-02
3	AX 2< #	9.110926D 00	-6.524926D-01	3.695462D-01
4	AX 3< #	-1.873653D-01	7.480518D-02	-4.457504D-03
5	AX 4< #	-2.236722D 00	2.998020D-01	7.984523D-03
6	AX 5< #	-2.757780D 00	-8.846304D-02	-7.651895D-03
7	AX 6< #	-1.207638D 00	-2.294149D-02	-3.064562D-02
8	AX 7< #	-5.034651D-01	3.651269D-03	-1.240577D-02
9	AX 8< #	-1.823020D-01	-3.066639D-02	-4.175798D-03
10	AX 9< #	-6.768720D-02	-2.926904D-02	4.041981D-03
11	AX 10< #	-2.345053D-02	-2.535764D-02	6.849674D-03
12	AX 11< #	-3.544918D-04	-1.933294D-02	3.629555D-03
13	AX 12< #	1.744775D-02	-3.608894D-03	3.322640D-03
14	AX 13< #	2.474012D-02	8.737599D-04	1.391609D-04
15	AX 14< #	2.015015D-02	1.438083D-03	2.400415D-05
16	AX 15< #	1.409651D-02	2.166543D-03	-9.452570D-05
17	AX 16< #	7.362530D-03	1.896167D-03	-1.381946D-04
18	AX 17< #	3.866832D-03	1.469465D-03	-3.535446D-05
19	AX 18< #	2.000124D-03	1.045865D-03	1.366817D-05
20	AX 19< #	1.025021D-03	6.621928D-04	2.642986D-05
21	AX 20< #	5.092823D-04	3.848067D-04	2.289260D-05
22	AX 21< #	2.303114D-04	1.908142D-04	1.466424D-05
23	AX 22< #	8.727630D-05	7.291531D-05	6.119007D-06
24	AX 23< #	1.511222D-05	2.954712D-06	5.766550D-07
25	AX 24< #	3.456008D-06	6.793947D-07	1.780694D-07

E = 4.00 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.185300D 01	2.051307D 00	7.375972D-01
2	AX 1< #	1.118787D 01	-2.538771D-01	7.331150D-03
3	AX 2< #	8.318956D 00	-6.105023D-01	3.139636D-01
4	AX 3< #	-7.614848D-01	7.367882D-02	-6.530851D-03
5	AX 4< #	-3.311801D 00	2.982534D-01	-4.920515D-03
6	AX 5< #	-2.849817D 00	-9.873446D-02	-7.849676D-03
7	AX 6< #	-1.185148D 00	-2.171930D-02	-3.129581D-02
8	AX 7< #	-4.287699D-01	8.117544D-03	-1.245035D-02
9	AX 8< #	-1.204014D-01	-3.104880D-02	-4.175031D-03
10	AX 9< #	-2.586399D-02	-3.053916D-02	4.277176D-03
11	AX 10< #	1.941544D-03	-2.701309D-02	7.204410D-03
12	AX 11< #	1.548105D-02	-2.012888D-02	3.974088D-03
13	AX 12< #	3.085414D-02	-3.196421D-03	3.643952D-03
14	AX 13< #	3.582931D-02	3.259074D-04	2.341567D-04
15	AX 14< #	3.054736D-02	9.986404D-04	9.011412D-05
16	AX 15< #	2.107621D-02	2.479257D-03	-1.101702D-04
17	AX 16< #	1.095695D-02	2.216091D-03	-1.626149D-04
18	AX 17< #	5.771113D-03	1.758777D-03	-4.552400D-05
19	AX 18< #	2.991905D-03	1.286822D-03	1.106417D-05
20	AX 19< #	1.538496D-03	8.235658D-04	3.104698D-05
21	AX 20< #	7.689968D-04	4.813071D-04	2.859675D-05
22	AX 21< #	3.537136D-04	2.403748D-04	1.867394D-05
23	AX 22< #	1.404283D-04	9.342568D-05	7.845506D-06
24	AX 23< #	3.268365D-05	7.193457D-06	6.899725D-07
25	AX 24< #	8.368464D-06	1.890949D-06	2.110159D-07

		$E = 5.00 \text{ eV}, j = 1$	$j' = j$	$j' = j + 2$	$j' = j + 4$
1		$\text{AX\_0} < \#$	$1.0317010 \text{D-01}$	$2.9319430 \text{D-00}$	$6.9285100 \text{D-01}$
2		$\text{AX\_1} < \#$	$1.3820060 \text{D-01}$	$-6.2770560 \text{D-01}$	$-1.2214990 \text{D-02}$
3		$\text{AX\_2} < \#$	$1.0014200 \text{D-01}$	$-5.5689070 \text{D-01}$	$3.0991700 \text{D-01}$
4		$\text{AX\_3} < \#$	$-1.2825080 \text{D-00}$	$5.8616970 \text{D-02}$	$-1.2199950 \text{D-02}$
5		$\text{AX\_4} < \#$	$-4.7301350 \text{D-00}$	$3.9674080 \text{D-01}$	$3.1238470 \text{D-03}$
6		$\text{AX\_5} < \#$	$-3.1372680 \text{D-00}$	$-1.2672080 \text{D-01}$	$-9.0068900 \text{D-03}$
7		$\text{AX\_6} < \#$	$-1.1522520 \text{D-00}$	$-2.4875140 \text{D-02}$	$-3.6039560 \text{D-02}$
8		$\text{AX\_7} < \#$	$-2.6892620 \text{D-01}$	$1.6517920 \text{D-02}$	$-1.3743640 \text{D-02}$
9		$\text{AX\_8} < \#$	$2.4206580 \text{D-02}$	$-3.7986180 \text{D-02}$	$-4.6358780 \text{D-03}$
10		$\text{AX\_9} < \#$	$7.6844030 \text{D-02}$	$-3.8732170 \text{D-02}$	$5.1660800 \text{D-03}$
11		$\text{AX10} < \#$	$6.7154850 \text{D-02}$	$-3.4804630 \text{D-02}$	$8.6502850 \text{D-03}$
12		$\text{AX11} < \#$	$5.8675170 \text{D-02}$	$-2.3727400 \text{D-02}$	$5.0374570 \text{D-03}$
13		$\text{AX12} < \#$	$-6.8049000 \text{D-02}$	$-4.6554500 \text{D-03}$	$4.6567330 \text{D-03}$
14		$\text{AX13} < \#$	$6.4498150 \text{D-02}$	$-1.3013330 \text{D-03}$	$4.3073220 \text{D-04}$
15		$\text{AX14} < \#$	$5.8819590 \text{D-02}$	$-3.9691430 \text{D-04}$	$2.3581330 \text{D-04}$
16		$\text{AX15} < \#$	$3.9660150 \text{D-02}$	$3.1563970 \text{D-03}$	$-1.4147150 \text{D-04}$
17		$\text{AX16} < \#$	$2.0506930 \text{D-02}$	$2.9249970 \text{D-03}$	$-2.1420510 \text{D-04}$
18		$\text{AX17} < \#$	$1.0872460 \text{D-02}$	$2.4219480 \text{D-03}$	$-7.0515060 \text{D-05}$
19		$\text{AX18} < \#$	$5.6834670 \text{D-03}$	$1.8580430 \text{D-03}$	$1.1270510 \text{D-06}$
20		$\text{AX19} < \#$	$2.9541540 \text{D-03}$	$1.2135090 \text{D-03}$	$3.9906730 \text{D-05}$
21		$\text{AX20} < \#$	$1.5002170 \text{D-03}$	$7.1901680 \text{D-04}$	$4.1481490 \text{D-05}$
22		$\text{AX21} < \#$	$7.1186650 \text{D-04}$	$3.6653330 \text{D-04}$	$2.8344590 \text{D-05}$
23		$\text{AX22} < \#$	$3.0194310 \text{D-04}$	$1.5037600 \text{D-04}$	$1.2466370 \text{D-05}$
24		$\text{AX23} < \#$	$9.1397300 \text{D-05}$	$2.2598730 \text{D-05}$	$1.4742420 \text{D-06}$
25		$\text{AX24} < \#$	$2.5881330 \text{D-05}$	$6.6590490 \text{D-06}$	$4.8977060 \text{D-07}$

		$E = 6.00 \text{ eV}, j = 1$	$j' = j$	$j' = j + 2$	$j' = j + 4$
1		$\text{AX\_0} < \#$	$1.6814060 \text{D-01}$	$3.3173380 \text{D-00}$	$7.4148780 \text{D-01}$
2		$\text{AX\_1} < \#$	$1.6254660 \text{D-01}$	$-1.0774080 \text{D-00}$	$-4.3056930 \text{D-02}$
3		$\text{AX\_2} < \#$	$1.3611120 \text{D-01}$	$-4.1535190 \text{D-01}$	$1.5327760 \text{D-01}$
4		$\text{AX\_3} < \#$	$-1.0984180 \text{D-00}$	$-1.5324020 \text{D-03}$	$-2.0016640 \text{D-02}$
5		$\text{AX\_4} < \#$	$-5.7217880 \text{D-00}$	$5.7263400 \text{D-01}$	$3.5242130 \text{D-03}$
6		$\text{AX\_5} < \#$	$-3.3178570 \text{D-00}$	$-1.6061380 \text{D-01}$	$-1.0475320 \text{D-02}$
7		$\text{AX\_6} < \#$	$-9.8979220 \text{D-01}$	$-3.2959680 \text{D-02}$	$-4.2588470 \text{D-02}$
8		$\text{AX\_7} < \#$	$-8.6792740 \text{D-03}$	$2.4828230 \text{D-02}$	$-1.5471340 \text{D-02}$
9		$\text{AX\_8} < \#$	$2.4273260 \text{D-01}$	$-5.0139920 \text{D-02}$	$-5.3344990 \text{D-03}$
10		$\text{AX\_9} < \#$	$2.3025850 \text{D-01}$	$-5.1948530 \text{D-02}$	$6.2798140 \text{D-03}$
11		$\text{AX10} < \#$	$1.6707530 \text{D-01}$	$-4.6663480 \text{D-02}$	$1.0510280 \text{D-02}$
12		$\text{AX11} < \#$	$1.2654730 \text{D-01}$	$-2.8751390 \text{D-02}$	$6.3355400 \text{D-03}$
13		$\text{AX12} < \#$	$1.2391180 \text{D-01}$	$-8.3989200 \text{D-03}$	$5.9431240 \text{D-03}$
14		$\text{AX13} < \#$	$1.0409400 \text{D-01}$	$-3.6239550 \text{D-03}$	$6.5762020 \text{D-04}$
15		$\text{AX14} < \#$	$9.7369140 \text{D-02}$	$-2.5971690 \text{D-03}$	$4.2223570 \text{D-04}$
16		$\text{AX15} < \#$	$6.4784230 \text{D-02}$	$3.9287780 \text{D-03}$	$-1.7134950 \text{D-04}$
17		$\text{AX16} < \#$	$3.3337230 \text{D-02}$	$-3.7342430 \text{D-03}$	$-2.6883830 \text{D-04}$
18		$\text{AX17} < \#$	$1.7775310 \text{D-02}$	$3.2054110 \text{D-03}$	$-1.0187930 \text{D-04}$
19		$\text{AX18} < \#$	$9.3700440 \text{D-03}$	$2.5542790 \text{D-03}$	$-1.5505070 \text{D-05}$
20		$\text{AX19} < \#$	$4.9220950 \text{D-03}$	$1.6982570 \text{D-03}$	$4.7974370 \text{D-05}$
21		$\text{AX20} < \#$	$2.5347630 \text{D-03}$	$1.0293120 \text{D-03}$	$5.6234260 \text{D-05}$
22		$\text{AX21} < \#$	$1.2309670 \text{D-03}$	$5.3170340 \text{D-04}$	$4.0279260 \text{D-05}$
23		$\text{AX22} < \#$	$5.4415990 \text{D-04}$	$2.2922160 \text{D-04}$	$1.8796100 \text{D-05}$
24		$\text{AX23} < \#$	$1.0497940 \text{D-04}$	$4.8405520 \text{D-05}$	$3.1620580 \text{D-06}$
25		$\text{AX24} < \#$	$5.48989550 \text{D-05}$	$1.4986390 \text{D-05}$	$1.2117360 \text{D-06}$

E = 7.00 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A <sub>2</sub> 0< #	1.871153D 01	4.159469D 00	8.241445D-01
2	A <sub>2</sub> 1< #	1.866368D 01	-1.639936D 00	-9.407743D-02
3	A <sub>2</sub> 2< #	1.832076D 01	-9.502733D-02	4.205585D-01
4	A <sub>2</sub> 3< #	-1.037315D-01	-1.297922D-01	-3.000143D-02
5	A <sub>2</sub> 4< #	-6.288522D 00	8.306538D-01	5.496504D-03
6	A <sub>2</sub> 5< #	-3.272942D 00	-1.992516D-01	-1.196407D-02
7	A <sub>2</sub> 6< #	-6.197789D-01	-4.538454D-02	-5.000050D-02
8	A <sub>2</sub> 7< #	3.972897D-01	3.312785D-02	-1.721644D-02
9	A <sub>2</sub> 8< #	5.623979D-01	-6.618990D-02	-6.144394D-03
10	A <sub>2</sub> 9< #	4.525714D-01	-6.881953D-02	7.481818D-03
11	A <sub>2</sub> 10< #	3.120494D-01	-6.155064D-02	1.256219D-02
12	A <sub>2</sub> 11< #	2.258941D-01	-3.456674D-02	7.748065D-03
13	A <sub>2</sub> 12< #	2.020844D-01	-1.401727D-02	7.417410D-03
14	A <sub>2</sub> 13< #	1.571489D-01	-6.516020D-03	9.197650D-04
15	A <sub>2</sub> 14< #	1.467533D-01	-5.611403D-03	6.579938D-04
16	A <sub>2</sub> 15< #	9.690106D-02	4.830447D-03	-1.987816D-04
17	A <sub>2</sub> 16< #	4.958344D-02	4.652609D-03	-3.261911D-04
18	A <sub>2</sub> 17< #	2.655130D-02	4.114924D-03	-1.398028D-04
19	A <sub>2</sub> 18< #	1.409714D-02	3.380573D-03	-3.916607D-05
20	A <sub>2</sub> 19< #	7.471800D-03	2.282242D-03	5.498481D-05
21	A <sub>2</sub> 20< #	3.892036D-03	1.388911D-03	7.276880D-05
22	A <sub>2</sub> 21< #	1.922575D-03	7.386259D-04	5.453555D-05
23	A <sub>2</sub> 22< #	8.736386D-04	3.318023D-04	2.697494D-05
24	A <sub>2</sub> 23< #	3.166126D-04	8.569099D-05	5.896528D-06
25	A <sub>2</sub> 24< #	9.658017D-05	2.727318D-05	2.131863D-06

E = 8.00 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A <sub>2</sub> 0< #	2.102289D 01	5.063564D 00	9.252435D-01
2	A <sub>2</sub> 1< #	2.104073D 01	-2.338400D 00	-1.606592D-01
3	A <sub>2</sub> 2< #	2.382237D 01	4.651838D-01	5.074987D-01
4	A <sub>2</sub> 3< #	1.846832D 00	-3.402032D-01	-4.218210D-02
5	A <sub>2</sub> 4< #	-6.340232D 00	1.152148D 00	9.282598D-03
6	A <sub>2</sub> 5< #	-2.942436D 00	-2.421896D-01	-1.328902D-02
7	A <sub>2</sub> 6< #	3.583563D-03	-6.159514D-02	-5.791978D-02
8	A <sub>2</sub> 7< #	9.741288D-01	4.158024D-02	-1.883880D-02
9	A <sub>2</sub> 8< #	9.993393D-01	-8.502323D-02	-7.043031D-03
10	A <sub>2</sub> 9< #	7.526519D-01	-8.805351D-02	8.700668D-03
11	A <sub>2</sub> 10< #	5.090480D-01	-7.837897D-02	1.469646D-02
12	A <sub>2</sub> 11< #	3.613894D-01	-8.058687D-02	9.205112D-03
13	A <sub>2</sub> 12< #	3.050847D-01	-2.104739D-02	9.039500D-03
14	A <sub>2</sub> 13< #	2.258925D-01	-9.737534D-03	1.217748D-03
15	A <sub>2</sub> 14< #	2.075066D-01	-9.342083D-03	9.478707D-04
16	A <sub>2</sub> 15< #	1.364786D-01	5.900696D-03	-2.224518D-04
17	A <sub>2</sub> 16< #	6.936576D-02	5.687233D-03	-3.859437D-04
18	A <sub>2</sub> 17< #	3.725692D-02	5.154434D-03	-1.845248D-04
19	A <sub>2</sub> 18< #	1.989851D-02	4.340013D-03	-7.021071D-05
20	A <sub>2</sub> 19< #	1.062486D-02	2.968473D-03	6.069842D-05
21	A <sub>2</sub> 20< #	5.585960D-03	1.827390D-03	9.100545D-05
22	A <sub>2</sub> 21< #	2.795567D-03	9.894067D-04	7.115828D-05
23	A <sub>2</sub> 22< #	1.295463D-03	4.595485D-04	3.711167D-05
24	A <sub>2</sub> 23< #	4.887616D-04	1.352893D-04	9.788487D-06
25	A <sub>2</sub> 24< #	1.518243D-04	4.382932D-05	3.592719D-06

E = 9.00 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A%_0< #	2.336413D 01	5.995022D 00	1.038262D 00
2	A%_1< #	2.372207D 01	-3.184235D 00	-2.480026D-01
3	A%_2< #	2.992386D 01	1.296670D 00	6.106794D-01
4	A%_3< #	4.871016D 00	-6.380156D-01	-5.651626D-02
5	A%_4< #	-5.787028D 00	1.536249D 00	1.524755D-02
6	A%_5< #	-2.291107D 00	-2.888546D-01	-1.421690D-02
7	A%_6< #	9.130291D-01	-8.091325D-02	-6.613972D-02
8	A%_7< #	1.737858D 00	5.046189D-02	-2.024767D-02
9	A%_8< #	1.564475D 00	-1.052731D-01	-8.030482D-03
10	A%_9< #	1.138369D 00	-1.081611D-01	9.883158D-03
11	A%10< #	7.630616D-01	-9.590480D-02	1.683289D-02
12	A%11< #	5.365372D-01	-4.611767D-02	1.064833D-02
13	A%12< #	4.347596D-01	-2.889773D-02	1.077978D-02
14	A%13< #	3.122446D-01	-1.293997D-02	1.549091D-03
15	A%14< #	2.801089D-01	-1.359505D-02	1.293589D-03
16	A%15< #	1.840186D-01	7.187582D-03	-2.409948D-04
17	A%16< #	9.280487D-02	6.846957D-03	-4.475962D-04
18	A%17< #	4.994428D-02	6.328482D-03	-2.360249D-04
19	A%18< #	2.680364D-02	5.435709D-03	-1.088632D-04
20	A%19< #	1.439942D-02	3.759656D-03	6.495654D-05
21	A%20< #	7.628043D-03	2.337872D-03	1.108748D-04
22	A%21< #	3.856912D-03	1.285675D-03	9.017630D-05
23	A%22< #	1.813722D-03	6.135978D-04	4.929396D-05
24	A%23< #	7.034103D-04	1.978718D-04	1.492712D-05
25	A%24< #	2.213549D-04	6.490451D-05	5.528542D-06

E = 10.00 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A%_0< #	2.574668D 01	6.927358D 00	1.159360D 00
2	A%_1< #	2.678859D 01	-4.176365D 00	-3.462613D-01
3	A%_2< #	3.643740D 01	2.399555D 00	7.288019D-01
4	A%_3< #	9.026566D 00	-1.021361D 00	-7.274087D-02
5	A%_4< #	-4.555657D 00	1.974020D 00	2.367836D-02
6	A%_5< #	-1.296748D 00	-3.384000D-01	-1.445970D-02
7	A%_6< #	2.138628D 00	-1.024059D-01	-7.451176D-02
8	A%_7< #	2.700081D 00	6.001499D-02	-2.144034D-02
9	A%_8< #	2.265556D 00	-1.254258D-01	-9.115451D-03
10	A%_9< #	1.615244D 00	-1.274749D-01	1.097331D-02
11	A%10< #	1.077832D 00	-1.127477D-01	1.889962D-02
12	A%11< #	7.540781D-01	-5.041373D-02	1.202441D-02
13	A%12< #	5.925867D-01	-3.688223D-02	1.261216D-02
14	A%13< #	4.178847D-01	-1.568686D-02	1.911574D-03
15	A%14< #	3.650154D-01	-1.810129D-02	1.695884D-03
16	A%15< #	2.400667D-01	8.747161D-03	-2.526784D-04
17	A%16< #	1.200319D-01	8.141509D-03	-5.108321D-04
18	A%17< #	6.466832D-02	7.641820D-03	-2.944381D-04
19	A%18< #	3.484214D-02	6.670771D-03	-1.554035D-04
20	A%19< #	1.881344D-02	4.658438D-03	6.756530D-05
21	A%20< #	1.002864D-02	2.922355D-03	1.323329D-04
22	A%21< #	5.112864D-03	1.628935D-03	1.116251D-04
23	A%22< #	2.431827D-03	7.949131D-04	6.359426D-05
24	A%23< #	9.622000D-04	2.739946D-04	2.138621D-05
25	A%24< #	3.057706D-04	9.070537D-05	7.967728D-06

E = 0.20 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	8.037955D-01	1.017321D-02	1.616176D-05
2	A% 1< #	-4.105910D-01	-3.574444D-03	-2.148196D-05
3	A% 2< #	-1.430262D-01	-5.590841D-05	2.112101D-05
4	A% 3< #	-4.440316D-02	-1.011027D-03	-1.190573D-05
5	A% 4< #	-2.441038D-02	-1.526552D-03	-1.844203D-06
6	A% 5< #	-1.892199D-02	-2.142045D-03	=1.507542D-05
7	A% 6< #	3.246751D-03	-8.560062D-04	-1.908886D-05
8	A% 7< #	6.708664D-03	-6.178115D-04	-2.261798D-05
9	A% 8< #	6.475588D-03	-5.643501D-04	-1.377493D-05
10	A% 9< #	5.607094D-03	-5.739368D-04	-2.194519D-06
11	A% 10< #	4.932089D-03	-6.268679D-04	7.591903D-06
12	A% 11< #	4.762929D-03	-6.395424D-04	1.333902D-05
13	A% 12< #	4.712659D-03	1.602180D-04	1.840103D-05
14	A% 13< #	-2.047147D-03	3.379166D-04	-1.340133D-05
15	A% 14< #	-7.026284D-04	2.916224D-04	5.275045D-06
16	A% 15< #	-2.134245D-04	2.340178D-04	=4.424593D-06
17	A% 16< #	-2.340646D-05	1.778002D-04	-7.620439D-06
18	A% 17< #	-5.449009D-05	1.196735D-04	-1.699733D-06
19	A% 18< #	8.442438D-05	7.198372D-05	1.256340D-06
20	A% 19< #	7.736699D-05	4.791466D-05	-3.303484D-07
21	A% 20< #	6.059068D-05	3.188923D-05	2.370063D-07
22	A% 21< #	4.217620D-05	2.012129D-05	5.272290D-07
23	A% 22< #	2.620459D-05	1.086785D-05	7.825073D-07
24	A% 23< #	1.306333D-05	4.201666D-06	7.746357D-07
25	A% 24< #	5.222257D-06	1.669629D-06	2.988817D-07

E = 0.80 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.199256D-00	6.970065D-02	8.778656D-04
2	A% 1< #	-5.309881D-01	-5.595343D-02	-1.025642D-05
3	A% 2< #	-1.750821D-00	1.605951D-02	4.330198D-04
4	A% 3< #	-5.183701D-01	-3.855283D-03	-3.305150D-05
5	A% 4< #	-1.611411D-01	-5.704494D-03	1.668012D-04
6	A% 5< #	-1.086092D-01	-9.290893D-03	5.627151D-07
7	A% 6< #	7.838468D-03	-1.002310D-03	2.832742D-04
8	A% 7< #	3.739523D-02	-6.042551D-04	-6.77488D-05
9	A% 8< #	3.228858D-02	-4.44211D-04	1.785953D-05
10	A% 9< #	2.444760D-02	-7.358175D-04	-2.340564D-05
11	A% 10< #	1.912814D-02	-1.296827D-03	-1.456821D-05
12	A% 11< #	1.681476D-02	-2.128335D-03	4.501169D-05
13	A% 12< #	1.444382D-02	1.384937D-03	6.443078D-05
14	A% 13< #	-4.570177D-03	1.151464D-03	-6.029381D-05
15	A% 14< #	-3.584808D-03	9.655554D-04	2.193836D-05
16	A% 15< #	-1.284261D-03	8.264676D-04	-2.517497D-05
17	A% 16< #	-5.227148D-04	6.414468D-04	-3.597552D-05
18	A% 17< #	-1.663654D-04	4.339143D-04	-7.179376D-06
19	A% 18< #	1.890679D-05	2.599308D-04	7.178041D-06
20	A% 19< #	7.136950D-05	1.637399D-04	-4.625202D-06
21	A% 20< #	7.468982D-05	1.012733D-04	2.981323D-06
22	A% 21< #	5.835880D-05	5.753062D-05	2.315183D-06
23	A% 22< #	3.777480D-05	2.683757D-05	2.018231D-06
24	A% 23< #	1.775081D-05	6.409482D-06	-1.563708D-06
25	A% 24< #	7.801949D-06	2.702285D-06	5.972794D-07

E = 1.20 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	6.491591D 00	1.0413236D-01	9.444545D-03
2	A% 1< #	5.910603D-01	-1.0429869D-01	-4.811212D-04
3	A% 2< #	-3.508368D 00	6.097304D-02	4.098379D-03
4	A% 3< #	-1.206018D-00	-5.982312D-03	-2.537196D-05
5	A% 4< #	-1.255608D-01	-6.531453D-03	9.534962D-04
6	A% 5< #	-1.095445D-01	-1.0358722D-02	-2.487066D-04
7	A% 6< #	4.702224D-02	1.344488D-03	1.580560D-03
8	A% 7< #	5.148392D-02	-1.0159088D-03	-5.905265D-04
9	A% 8< #	6.893059D-02	1.0916141D-03	2.150451D-04
10	A% 9< #	4.736720D-02	1.0115648D-03	-1.361503D-04
11	A% 10< #	3.342918D-02	-2.0553150D-04	-2.206859D-04
12	A% 11< #	2.633352D-02	-2.03307237D-03	-5.407914D-07
13	A% 12< #	2.020816D-02	3.013812D-03	3.261386D-05
14	A% 13< #	-2.022934D-03	1.542916D-03	-1.071654D-04
15	A% 14< #	-4.088140D-03	1.282540D-03	4.330854D-05
16	A% 15< #	-1.200038D-03	1.0185124D-03	-4.222831D-05
17	A% 16< #	-5.060638D-04	9.369271D-04	-5.777439D-05
18	A% 17< #	-1.0786143D-04	6.431936D-04	-1.204565D-05
19	A% 18< #	4.639588D-06	3.920058D-04	1.111430D-05
20	A% 19< #	5.791349D-05	2.431256D-04	-8.817885D-06
21	A% 20< #	6.375497D-05	1.0457964D-04	5.990566D-06
22	A% 21< #	4.956125D-05	7.853966D-05	-3.958171D-06
23	A% 22< #	3.080360D-05	3.369782D-05	2.654493D-06
24	A% 23< #	1.223601D-05	5.049629D-06	-1.587940D-06
25	A% 24< #	5.975822D-06	2.249892D-06	6.007882D-07

E = 1.60 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	8.957489D 00	2.769486D-01	7.603091D-02
2	A% 1< #	2.024908D-00	-3.032319D-01	-2.160353D-03
3	A% 2< #	-5.645367D-00	1.769145D-01	3.197038D-02
4	A% 3< #	-2.398011D-00	-9.505615D-03	5.886199D-05
5	A% 4< #	6.695232D-01	5.723745D-03	4.362966D-03
6	A% 5< #	1.270870D-01	-1.0466753D-02	-1.168384D-03
7	A% 6< #	2.072091D-01	7.138804D-03	5.804711D-03
8	A% 7< #	-2.339569D-01	-4.804769D-03	-2.336486D-03
9	A% 8< #	1.0525007D-01	8.268394D-03	8.488921D-04
10	A% 9< #	9.503649D-02	6.496840D-03	-5.718718D-04
11	A% 10< #	6.020160D-02	3.510586D-03	-9.881569D-04
12	A% 11< #	-4.159995D-02	-8.439518D-04	-2.768625D-04
13	A% 12< #	2.847776D-02	5.937265D-03	-2.132555D-04
14	A% 13< #	3.542854D-03	1.0806278D-03	-1.812216D-04
15	A% 14< #	-3.177042D-03	1.0458860D-03	8.568417D-05
16	A% 15< #	-1.085869D-04	1.0531083D-03	-6.090096D-05
17	A% 16< #	5.485902D-06	1.0234290D-03	-8.137117D-05
18	A% 17< #	5.459400D-05	8.629125D-04	-1.817464D-05
19	A% 18< #	1.023174D-04	5.384609D-04	1.448596D-05
20	A% 19< #	5.368042D-05	3.218843D-04	-1.364503D-05
21	A% 20< #	7.237985D-05	1.0949801D-04	9.788762D-06
22	A% 21< #	4.0678259D-05	1.009595D-04	5.078290D-06
23	A% 22< #	2.442948D-05	4.055474D-05	3.362825D-06
24	A% 23< #	5.824566D-06	3.169476D-06	1.443736D-06
25	A% 24< #	3.521865D-06	1.536912D-06	5.389304D-07

E = 2.00 eV, j = 2		j' = j		j' = j + 2		j' = j + 4	
1	A% 0< #	1.359492D 01		9.110976D-01		7.124307D-01	
2	A% 1< #	2.877422D 00		-6.384948D-01		-5.455603D-03	
3	A% 2< #	-5.660616D 00		4.657384D-01		2.955589D-01	
4	A% 3< #	-4.859556D 00		-1.523344D-02		-2.235284D-04	
5	A% 4< #	6.287310D 00		1.539448D-01		2.522238D-02	
6	A% 5< #	1.251776D 00		-2.835208D-03		-4.427698D-03	
7	A% 6< #	8.690229D-01		2.248642D-02		2.009242D-02	
8	A% 7< #	6.773172D-01		1.228384D-02		8.237157D-03	
9	A% 8< #	3.913768D-01		2.680415D-02		2.940757D-03	
10	A% 9< #	2.242573D-01		2.290127D-02		-2.155963D-03	
11	A% 10< #	1.292819D-01		1.588843D-02		-3.760628D-03	
12	A% 11< #	7.809344D-02		6.001293D-03		-1.454756D-03	
13	A% 12< #	4.708941D-02		1.271334D-02		-1.276116D-03	
14	A% 13< #	1.365818D-02		1.956231D-03		-3.252834D-04	
15	A% 14< #	-1.783532D-04		1.371200D-03		1.825835D-04	
16	A% 15< #	-2.150334D-03		1.871431D-03		-8.082143D-05	
17	A% 16< #	1.118161D-03		1.539119D-03		-1.065575D-04	
18	A% 17< #	-5.927558D-04		1.057761D-03		-2.568417D-05	
19	A% 18< #	3.503268D-04		7.032166D-04		1.705676D-05	
20	A% 19< #	2.032516D-04		4.333290D-04		1.892001D-05	
21	A% 20< #	1.160763D-04		2.514465D-04		1.430832D-05	
22	A% 21< #	5.942231D-05		1.267650D-04		8.683072D-06	
23	A% 22< #	2.400701D-05		4.871804D-05		4.240119D-06	
24	A% 23< #	1.1342448D-06		1.528447D-06		1.232529D-06	
25	A% 24< #	1.394147D-06		8.449817D-07		4.509937D-07	

E = 2.10 eV, j = 2		j' = j		j' = j + 2		j' = j + 4	
1	A% 0< #	1.636476D 01		1.517701D 00		1.371138D 00	
2	A% 1< #	2.843193D 00		-7.653334D-01		-4.818117D-03	
3	A% 2< #	-2.267612D 00		5.521503D-01		5.676959D-01	
4	A% 3< #	-5.854782D 00		-1.233561D-02		-1.340877D-03	
5	A% 4< #	1.103730D 01		3.147479D-01		4.345443D-02	
6	A% 5< #	1.866194D-00		4.771369D-03		6.078040D-03	
7	A% 6< #	1.210819D 00		2.959679D-02		2.725057D-02	
8	A% 7< #	8.978553D-01		1.526556D-02		1.118654D-02	
9	A% 8< #	5.073060D-01		3.561567D-02		3.974401D-03	
10	A% 9< #	2.864657D-01		3.082442D-02		-2.977049D-03	
11	A% 10< #	1.624239D-01		2.197393D-02		-5.188049D-03	
12	A% 11< #	9.538944D-02		9.544547D-03		-2.095571D-03	
13	A% 12< #	5.586888D-02		1.571675D-02		-1.854210D-03	
14	A% 13< #	1.771820D-02		2.000030D-03		-3.792791D-04	
15	A% 14< #	1.149077D-03		1.288603D-03		2.214573D-04	
16	A% 15< #	2.910832D-03		1.956050D-03		-8.593796D-05	
17	A% 16< #	1.495805D-03		1.616826D-03		-1.130525D-04	
18	A% 17< #	7.799417D-04		1.159194D-03		-2.780667D-05	
19	A% 18< #	4.391079D-04		7.475762D-04		1.764039D-05	
20	A% 19< #	2.442437D-04		4.609470D-04		-2.029345D-05	
21	A% 20< #	1.337821D-04		2.669181D-04		1.554531D-05	
22	A% 21< #	6.577869D-05		1.339094D-04		9.414831D-06	
23	A% 22< #	2.527958D-05		5.107267D-05		4.494097D-06	
24	A% 23< #	4.429805D-07		1.218972D-06		1.177844D-06	
25	A% 24< #	9.930590D-07		6.988672D-07		4.282253D-07	

E = 2.20 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.125426D 01	2.806260D 00	2.761923D 00
2	A% 1< #	2.878938D 00	-8.627098D-01	-5.788325D-04
3	A% 2< #	7.538294D 00	5.320279D-01	1.141743D 00
4	A% 3< #	-6.776166D-00	3.945111D-03	-2.434093D-03
5	A% 4< #	1.981784D 01	6.626818D-01	7.866347D-02
6	A% 5< #	2.539788D 00	1.247851D-02	-7.794241D-03
7	A% 6< #	1.581582D 00	3.708761D-02	3.477913D-02
8	A% 7< #	1.135940D 00	1.819619D-02	-1.425378D-02
9	A% 8< #	6.335722D-01	4.464283D-02	5.047366D-03
10	A% 9< #	3.549745D-01	3.894881D-02	-3.856074D-03
11	A% 10< #	1.995923D-01	2.820080D-02	-6.708638D-03
12	A% 11< #	1.150202D-01	1.313681D-02	-2.805722D-03
13	A% 12< #	6.627350D-02	1.875549D-02	-2.491147D-03
14	A% 13< #	2.273640D-02	2.05019D-03	-4.253286D-04
15	A% 14< #	3.173112D-03	1.230798D-03	2.540986D-04
16	A% 15< #	3.753611D-03	2.040843D-03	-9.114241D-05
17	A% 16< #	1.915648D-03	1.695367D-03	-1.196675D-04
18	A% 17< #	5.893019D-04	1.221831D-03	-3.000051D-05
19	A% 18< #	5.392112D-04	7.932869D-04	1.797716D-05
20	A% 19< #	2.911247D-04	4.895250D-04	-2.168600D-05
21	A% 20< #	1.544826D-04	2.829770D-04	1.682428D-05
22	A% 21< #	7.358294D-05	1.413639D-04	1.017946D-05
23	A% 22< #	2.7200120-05	5.357594D-05	4.763557D-06
24	A% 23< #	5.852285D-09	5.634050D-07	1.124193D-06
25	A% 24< #	6.614791D-07	5.685692D-07	4.058510D-07

E = 2.30 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.921860D 01	5.310077D 00	5.395115D 00
2	A% 1< #	3.917624D 00	-7.362209D-01	-1.901755D-02
3	A% 2< #	3.130740D 01	8.444094D-02	2.227694D 00
4	A% 3< #	-6.368680D 00	5.720821D-02	-3.909073D-03
5	A% 4< #	3.372503D 01	1.340426D 00	1.385485D-01
6	A% 5< #	2.477312D 00	7.124492D-03	7.366713D-03
7	A% 6< #	1.549321D 00	3.661638D-02	3.330708D-02
8	A% 7< #	1.127926D 00	1.799902D-02	-1.355172D-02
9	A% 8< #	6.375693D-01	4.251952D-02	4.794126D-03
10	A% 9< #	3.621504D-01	3.651633D-02	-3.728794D-03
11	A% 10< #	2.067084D-01	2.640482D-02	-6.465460D-03
12	A% 11< #	1.200705D-01	1.171083D-02	-2.771105D-03
13	A% 12< #	7.112155D-02	1.819430D-02	-2.444589D-03
14	A% 13< #	2.734282D-02	2.258047D-03	-3.926682D-04
15	A% 14< #	6.638393D-03	1.404731D-03	2.240622D-04
16	A% 15< #	4.679513D-03	-2.125736D-03	-5.640161D-05
17	A% 16< #	2.378323D-03	1.774713D-03	-1.263714D-04
18	A% 17< #	1.221300D-03	1.285656D-03	-3.229065D-05
19	A% 18< #	6.510113D-04	8.403792D-04	1.834840D-05
20	A% 19< #	3.440926D-04	5.190974D-04	-2.309491D-05
21	A% 20< #	1.783040D-04	2.996501D-04	1.814446D-05
22	A% 21< #	8.291349D-05	1.491500D-04	1.097769D-05
23	A% 22< #	2.981268D-05	5.624030D-05	5.049375D-06
24	A% 23< #	-1.740383D-07	7.677736D-07	1.072289D-06
25	A% 24< #	4.069339D-07	4.563050D-07	3.841767D-07

E = 2.32 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.095742D 01	5.929749D 00	6.029370D 00
2	A% 1< #	4.415284D 00	-6.519856D-01	2.500922D-02
3	A% 2< #	3.795714D 01	-9.847760D-02	2.489167D 00
4	A% 3< #	-5.897526D 00	7.435499D-02	4.128606D-03
5	A% 4< #	3.655833D 01	1.507506D 00	1.517203D-01
6	A% 5< #	2.209652D 00	1.884134D-03	6.579846D-03
7	A% 6< #	1.404514D 00	3.387329D-02	3.003552D-02
8	A% 7< #	1.042002D 00	1.700012D-02	1.217668D-02
9	A% 8< #	5.959852D-01	3.849862D-02	4.310882D-03
10	A% 9< #	3.418796D-01	3.322717D-02	-3.362890D-03
11	A% 10< #	1.971333D-01	2.345890D-02	-5.823892D-03
12	A% 11< #	1.155982D-01	9.824584D-03	-2.501823D-03
13	A% 12< #	6.972922D-02	1.693280D-02	-2.196168D-03
14	A% 13< #	2.778352D-02	2.302861D-03	3.646034D-04
15	A% 14< #	7.541232D-03	1.501754D-03	2.008086D-04
16	A% 15< #	4.874770D-03	2.142727D-03	-9.746305D-05
17	A% 16< #	2.476068D-03	1.790683D-03	-1.277220D-04
18	A% 17< #	1.270454D-03	1.298618D-03	-3.276011D-05
19	A% 18< #	6.747994D-04	8.499645D-04	1.841482D-05
20	A% 19< #	3.554322D-04	5.251322D-04	-2.337867D-05
21	A% 20< #	1.834527D-04	3.030596D-04	1.841342D-05
22	A% 21< #	8.496873D-05	1.507480D-04	1.114135D-05
23	A% 22< #	3.042164D-05	5.679316D-05	5.108532D-06
24	A% 23< #	-1.766916D-07	7.363402D-07	1.062180D-06
25	A% 24< #	3.658999D-07	4.362036D-07	3.799527D-07

E = 2.34 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.256261D 01	6.539765D 00	6.643945D 00
2	A% 1< #	5.039588D 00	-5.436231D-01	-3.152569D-02
3	A% 2< #	4.486884D 01	-3.142156D-01	2.742422D 00
4	A% 3< #	-5.254793D 00	9.322442D-02	4.279652D-03
5	A% 4< #	3.903437D 01	1.671315D 00	1.638404D-01
6	A% 5< #	-1.819281D-00	-5.283674D-03	5.463525D-03
7	A% 6< #	1.193484D 00	2.988129D-02	2.536475D-02
8	A% 7< #	9.157672D-01	1.556830D-02	-1.022423D-02
9	A% 8< #	5.340363D-01	3.280733D-02	3.625552D-03
10	A% 9< #	3.110828D-01	2.801114D-02	-2.835188D-03
11	A% 10< #	1.821469D-01	1.931145D-02	-4.901189D-03
12	A% 11< #	1.083980D-01	7.199092D-03	-2.105240D-03
13	A% 12< #	6.710796D-02	1.514008D-02	-1.832322D-03
14	A% 13< #	2.792172D-02	2.347746D-03	-3.274390D-04
15	A% 14< #	8.485144D-03	1.624468D-03	1.702851D-04
16	A% 15< #	5.073419D-03	2.159725D-03	-9.852029D-05
17	A% 16< #	2.575571D-03	1.806688D-03	-1.290735D-04
18	A% 17< #	1.320538D-03	1.311588D-03	-3.323298D-05
19	A% 18< #	6.990700D-04	8.596050D-04	1.847861D-05
20	A% 19< #	3.670242D-04	5.312068D-04	-2.366300D-05
21	A% 20< #	1.887319D-04	3.064941D-04	1.868400D-05
22	A% 21< #	8.708808D-05	1.523591D-04	-1.130632D-05
23	A% 22< #	3.105992D-05	5.735240D-05	5.168317D-06
24	A% 23< #	-1.679039D-07	7.075564D-07	-1.052166D-06
25	A% 24< #	3.282844D-07	4.169233D-07	3.757707D-07

E = 2.36 eV, j = 2

j' = j

j' = j + 2

j' = j + 4

1	A%	0< #	3.391660D 01	7.101870D 00	7.197800D 00
2	A%	1< #	5.6784429D 00	-4.132908D-01	3.8340550-02
3	A%	2< #	5.167422D 01	-5.561214D-01	2.970577D 00
4	A%	3< #	-4.447980D 00	1.130366D-01	4.327241D-03
5	A%	4< #	4.093196D 01	1.821419D 00	1.739683D-01
6	A%	5< #	1.305106D 00	-1.435242D-02	4.020869D-03
7	A%	6< #	9.158240D-01	2.464353D-02	1.929973D-02
8	A%	7< #	7.490088D-01	1.371671D-02	-7.698023D-03
9	A%	8< #	4.515572D-01	2.546445D-02	2.739819D-03
10	A%	9< #	2.696200D-01	2.128479D-02	-2.145297D-03
11	A%	10< #	1.616335D-01	1.397605D-02	-3.697132D-03
12	A%	11< #	9.839471D-02	3.845220D-03	-1.579680D-03
13	A%	12< #	6.319517D-02	1.282390D-02	-1.351643D-03
14	A%	13< #	2.771465D-02	2.389873D-03	2.818610D-04
15	A%	14< #	9.437612D-03	1.770610D-03	1.329977D-04
16	A%	15< #	5.275446D-03	2.176730D-03	-9.957900D-05
17	A%	16< #	2.676829D-03	1.822730D-03	-1.304276D-04
18	A%	17< #	-1.371551D-03	1.324611D-03	-3.370949D-05
19	A%	18< #	7.238239D-04	8.693029D-04	1.853991D-05
20	A%	19< #	3.788698D-04	5.373229D-04	-2.394803D-05
21	A%	20< #	1.941418D-04	3.099535D-04	1.895619D-05
22	A%	21< #	8.927192D-05	1.539837D-04	1.147260D-05
23	A%	22< #	3.172802D-05	5.791854D-05	5.228791D-06
24	A%	23< #	-1.474882D-07	6.814916D-07	1.042266D-06
25	A%	24< #	2.941408D-07	3.984797D-07	3.716329D-07

E = 2.38 eV, j = 2

j' = j

j' = j + 2

j' = j + 4

1	A%	0< #	3.490709D 01	7.575377D 00	7.648458D 00
2	A%	1< #	6.627411D 00	-2.663735D-01	4.507279D-02
3	A%	2< #	5.793734D 01	-8.128695D-01	3.156124D 00
4	A%	3< #	-3.506570D 00	1.327225D-01	4.251832D-03
5	A%	4< #	4.205283D 01	1.946720D 00	1.812056D-01
6	A%	5< #	6.811085D-01	-2.505451D-02	2.294928D-03
7	A%	6< #	5.792824D-01	1.831800D-02	1.201970D-02
8	A%	7< #	5.464822D-01	1.151318D-02	4.673977D-03
9	A%	8< #	3.508886D-01	1.669758D-02	1.680507D-03
10	A%	9< #	2.186423D-01	1.325453D-02	-1.312758D-03
11	A%	10< #	1.361367D-01	7.615895D-03	-2.246233D-03
12	A%	11< #	3.584401D-02	-1.334555D-04	-9.389893D-04
13	A%	12< #	5.807465D-02	1.005826D-02	-7.669330D-04
14	A%	13< #	2.715381D-02	2.426076D-03	2.297206D-04
15	A%	14< #	1.035867D-02	1.934479D-03	9.041656D-05
16	A%	15< #	5.480871D-03	2.193741D-03	-1.006388D-04
17	A%	16< #	2.779852D-03	1.838809D-03	-1.317840D-04
18	A%	17< #	1.423499D-03	1.337684D-03	-3.419007D-05
19	A%	18< #	7.490647D-04	8.790576D-04	1.859841D-05
20	A%	19< #	3.909710D-04	5.434903D-04	2.423372D-05
21	A%	20< #	1.996840D-04	3.134387D-04	1.923007D-05
22	A%	21< #	9.152151D-05	1.556229D-04	1.164027D-05
23	A%	22< #	3.242630D-05	5.849166D-05	5.289942D-06
24	A%	23< #	-1.153251D-07	6.581651D-07	1.032470D-06
25	A%	24< #	2.635217D-07	3.808884D-07	3.675415D-07

E = 2.40 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.5451400 01	7.925007D 00	7.960426D 00
2	A% 1< #	7.5308420 00	-1.1.10532D-01	-5.1.31666D-02
3	A% 2< #	6.322956D 01	-1.069749D 00	3.284403D 00
4	A% 3< #	-2.4808930 00	1.5107225D-01	-4.047100D-03
5	A% 4< #	4.226768D 01	2.037673D 00	1.848891D-01
6	A% 5< #	-2.307016D-02	-3.688373D-02	-3.655986D-04
7	A% 6< #	2.002586D-01	1.1220230-02	3.873669D-03
8	A% 7< #	3.181412D-01	9.079615D-03	-1.300844D-03
9	A% 8< #	2.368104D-01	6.940345D-03	4.983143D-04
10	A% 9< #	1.605923D-01	4.316551D-03	-3.778965D-04
11	A% 10< #	1.068691D-01	5.438715D-04	-6.185771D-04
12	A% 11< #	7.133791D-02	-4.541977D-03	-2.132431D-04
13	A% 12< #	5.198470D-02	6.982774D-03	-1.062837D-04
14	A% 13< #	2.626998D-02	2.453317D-03	-1.737631D-04
15	A% 14< #	1.120558D-02	2.107377D-03	4.494911D-05
16	A% 15< #	5.688919D-03	-2.210842D-03	-3.015377D-04
17	A% 16< #	2.884371D-03	1.854994D-03	-1.329957D-04
18	A% 17< #	1.476260D-03	1.350722D-03	-3.469726D-05
19	A% 18< #	7.747921D-04	8.88420D-04	1.863642D-05
20	A% 19< #	4.033300D-04	5.456798D-04	-2.451988D-05
21	A% 20< #	2.053600D-04	3.169503D-04	1.950549D-05
22	A% 21< #	9.383732D-05	1.572763D-04	-1.80930D-05
23	A% 22< #	3.315540D-05	5.907236D-05	5.351803D-06
24	A% 23< #	-7.1.27436D-08	6.376106D-07	1.022776D-06
25	A% 24< #	2.364791D-07	3.641648D-07	3.634986D-07

E = 2.42 eV, j = 2,		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.551711D 01	8.128690D 00	8.113183D 00
2	A% 1< #	8.447299D 00	4.289969D-02	5.663152D-02
3	A% 2< #	6.721708D 01	-1.311065D 00	3.347103D 00
4	A% 3< #	-1.434549D 00	1.670056D-01	3.719230D-03
5	A% 4< #	4.155206D 01	2.088411D 00	1.847585D-01
6	A% 5< #	-7.663380D-01	-4.916188D-02	-1.639723D-03
7	A% 6< #	-1.993332D-01	3.787448D-03	-4.631659D-03
8	A% 7< #	7.745995D-02	6.572070D-03	-2.222486D-03
9	A% 8< #	1.165448D-01	-3.219038D-03	-7.318364D-04
10	A% 9< #	9.908467D-02	-4.994922D-03	6.050007D-04
11	A% 10< #	7.566076D-02	-6.819370D-03	1.090157D-03
12	A% 11< #	5.579308D-02	-9.119357D-03	5.552732D-04
13	A% 12< #	4.532143D-02	3.784984D-03	5.930327D-04
14	A% 13< #	2.514725D-02	2.469809D-03	1.179296D-04
15	A% 14< #	1.194814D-02	2.278867D-03	-7.237055D-07
16	A% 15< #	5.901131D-03	2.227860D-03	-1.025999D-04
17	A% 16< #	2.990920D-03	1.871145D-03	-1.343551D-04
18	A% 17< #	1.530082D-03	1.363952D-03	-3.518575D-05
19	A% 18< #	8.010089D-04	8.987103D-04	1.868947D-05
20	A% 19< #	4.159458D-04	5.559196D-04	-2.480664D-05
21	A% 20< #	2.111691D-04	3.204867D-04	1.978244D-05
22	A% 21< #	9.621938D-05	1.589437D-04	1.197966D-05
23	A% 22< #	3.391527D-05	5.966021D-05	5.414362D-06
24	A% 23< #	-1.516442D-08	6.198944D-07	1.013207D-06
25	A% 24< #	2.130644D-07	3.483240D-07	3.595063D-07

E = 2.44 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.512901D 01	8.182252D 00	8.105663D 00
2	A% 1< #	9.329397D 00	1.862722D-01	6.080283D-02
3	A% 2< #	6.973001D 01	-1.523595D 00	3.343680D 00
4	A% 3< #	-4.316533D-01	1.797109D-01	3.292938D-03
5	A% 4< #	3.999096D 01	2.097987D 00	1.810077D-01
6	A% 5< #	-1.504143D 00	-6.118318D-02	-3.614980D-03
7	A% 6< #	-5.952352D-01	-3.533409D-03	-1.300329D-02
8	A% 7< #	-1.608226D-01	4.151167D-03	-5.683835D-03
9	A% 8< #	-2.727225D-03	-1.317149D-02	-1.939542D-03
10	A% 9< #	3.787973D-02	-1.412229D-02	1.576599D-03
11	A% 10< #	4.443598D-02	-1.403482D-02	2.777513D-03
12	- A% 11< #	4.017419D-02	-1.359457D-02	1.320747D-03
13	A% 12< #	3.851369D-02	6.590168D-04	1.288532D-03
14	A% 13< #	2.388491D-02	2.474607D-03	-6.544175D-05
15	A% 14< #	1.256504D-02	2.439026D-03	-4.374410D-05
16	A% 15< #	6.116757D-03	2.244889D-03	-1.036589D-04
17	A% 16< #	3.099236D-03	1.887333D-03	-1.357169D-04
18	- A% 17< #	1.594846D-03	1.377180D-03	-3.567815D-05
19	A% 18< #	8.277173D-04	9.086367D-04	1.873964D-05
20	A% 19< #	4.288203D-04	-5.622010D-04	-2.509374D-05
21	A% 20< #	2.171127D-04	3.240496D-04	2.006097D-05
22	A% 21< #	9.866859D-05	1.606258D-04	1.215141D-05
23	A% 22< #	3.470598D-05	6.025493D-05	5.477627D-06
24	A% 23< #	5.315365D-08	6.050664D-07	1.003775D-06
25	A% 24< #	1.933283D-07	3.333811D-07	3.555668D-07

E = 2.46 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.436032D 01	8.098703D 00	7.954780D 00
2	A% 1< #	1.013805D 01	3.118486D-01	-6.369805D-02
3	A% 2< #	7.077982D 01	-1.698506D 00	3.281171D 00
4	A% 3< #	4.746762D-01	1.888466D-01	2.798688D-03
5	A% 4< #	3.775618D 01	2.070148D 00	1.742136D-01
6	- A% -5< #	-2.196831D 00	-7.233680D-02	-5.450502D-03
7	A% 6< #	-9.660903D-01	-1.034283D-02	-2.079488D-02
8	A% 7< #	-3.837075D-01	1.953315D-03	-8.899148D-03
9	A% 8< #	-1.144240D-01	-2.238582D-02	-3.060384D-03
10	A% 9< #	-1.960360D-02	-2.257992D-02	2.484986D-03
11	A% 10< #	1.496417D-02	-2.072032D-02	4.353305D-03
12	- A% 11< #	2.537766D-02	-1.773330D-02	2.041859D-03
13	A% 12< #	3.197383D-02	-2.226664D-03	1.942913D-03
14	A% 13< #	2.259248D-02	2.468348D-03	1.907206D-05
15	A% 14< #	1.305327D-02	2.580109D-03	-8.191515D-05
16	A% 15< #	6.335604D-03	2.261925D-03	-1.047208D-04
17	A% 16< #	3.209322D-03	1.903558D-03	-1.370822D-04
18	- A% 17< #	1.640555D-03	1.390461D-03	-3.617460D-05
19	A% 18< #	8.549196D-04	9.186221D-04	1.878700D-05
20	A% 19< #	4.419554D-04	5.685255D-04	-2.538149D-05
21	A% 20< #	2.231922D-04	3.276395D-04	2.034123D-05
22	A% 21< #	1.011852D-04	1.623227D-04	1.232454D-05
23	A% 22< #	3.552818D-05	6.085729D-05	5.541617D-06
24	- A% 23< #	1.338167D-07	5.931663D-07	9.944844D-07
25	A% 24< #	1.773209D-07	3.193507D-07	3.516820D-07

E = 2.48 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.331211D 01	7.903288D 00	7.689702D 00
2	A% 1< #	1.084823D 01	4.0154594D-01	6.0535500D-02
3	A% 2< #	7.052924D 01	-1.832359D 00	3.0171619D 00
4	A% 3< #	1.0250077D 00	1.044933D-01	2.0269706D-03
5	A% 4< #	3.0506195D 01	2.011946D 00	1.0651801D-01
6	A% 5< #	-2.015933D 00	-8.0220241D-02	-7.073171D-03
7	A% 6< #	-1.0296644D 00	-1.0636018D-02	-2.0769316D-02
8	A% 7< #	-5.019246D-01	6.0896752D-05	-1.0173982D-02
9	A% 8< #	-2.0138282D-01	-3.0049503D-02	-4.0049646D-03
10	A% 9< #	-7.0089211D-02	-3.0003168D-02	3.0293269D-03
11	A% 10< #	-1.0145662D-02	-2.0661199D-02	5.0753728D-03
12	A% 11< #	-1.0206827D-02	-2.0137463D-02	2.0688742D-03
13	A% 12< #	2.001937D-02	-4.0756366D-03	2.0529219D-03
14	A% 13< #	2.0136513D-02	2.0452645D-03	-1.0051964D-05
15	A% 14< #	1.0342434D-02	2.0697586D-03	-1.0138942D-04
16	A% 15< #	6.0558287D-03	2.0278968D-03	-1.0057847D-04
17	A% 16< #	3.0321182D-03	1.0919818D-03	-1.0384508D-04
18	A% 17< #	1.0697212D-03	1.0403794D-03	-3.0667482D-05
19	A% 18< #	8.026171D-04	9.0286653D-04	1.0883175D-05
20	A% 19< #	4.0553516D-04	5.0748919D-04	2.0566990D-05
21	A% 20< #	2.0294078D-04	3.0312560D-04	2.0062310D-05
22	A% 21< #	1.0037699D-04	1.0640345D-04	1.0249901D-05
23	A% 22< #	3.0638195D-05	6.0146700D-05	5.0606329D-06
24	A% 23< #	2.0269599D-07	5.0842332D-07	9.0853412D-07
25	A% 24< #	1.0650916D-07	3.0062476D-07	3.0478541D-07

E = 2.50 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.209076D 01	7.0266639D 00	7.0344341D 00
2	A% 1< #	1.0144983D 01	4.00060069D-01	-6.002045D-02
3	A% 2< #	6.0923175D C1	-1.026433D 00	3.0028991D 00
4	A% 3< #	1.0880183D 00	1.0970380D-01	-1.0224582D-03
5	A% 4< #	3.0212098D 01	1.0931863D 00	1.0547594D-01
6	A% 5< #	-3.0346197D 00	-9.0057476D-02	-8.0447078D-03
7	A% 6< #	-1.0578803D 00	-2.0144153D-02	-3.0353783D-02
8	A% 7< #	-7.0505719D-01	-1.0461231D-03	-1.0414099D-02
9	A% 8< #	-2.0984196D-01	-3.0731834D-02	-4.0885038D-03
10	A% 9< #	-1.0146402D-01	-3.0631146D-02	-3.0982037D-03
11	A% 10< #	-3.0410064D-02	-3.0157961D-02	6.0945566D-03
12	A% 11< #	6.0251011D-04	-2.0444032D-02	-3.0245230D-03
13	A% 12< #	2.0084362D-02	-6.0873826D-03	3.0032780D-03
14	A% 13< #	2.0027168D-02	2.0429576D-03	-4.0980314D-05
15	A% 14< #	1.0369915D-02	2.0790130D-03	-1.0392107D-04
16	A% 15< #	6.0784224D-03	2.0296023D-03	-1.0068446D-04
17	A% 16< #	3.0434821D-03	1.0936114D-03	-1.0398214D-04
18	A% 17< #	1.0754820D-03	1.0417180D-03	-3.0717860D-05
19	A% 18< #	9.0108116D-04	9.0387661D-04	1.0827376D-05
20	A% 19< #	4.0690099D-04	5.0813002D-04	2.0595872D-05
21	A% 20< #	2.0357600D-04	3.0348987D-04	2.0090647D-05
22	A% 21< #	1.0064226D-04	1.0657604D-04	1.0267480D-05
23	A% 22< #	3.0726737D-05	6.0208373D-05	5.0671742D-06
24	A% 23< #	3.0327170D-07	5.0783060D-07	9.0763504D-07
25	A% 24< #	1.0566894D-07	2.0940861D-07	3.0440850D-07

E = 2.52 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.079091D 01	7.298797D 00	6.951162D 00
2	A% 1< #	1.194441D 01	5.543582D-01	6.551791D-02
3	A% 2< #	6.716832D 01	-1.985086D 00	2.866745D 00
4	A% 3< #	2.366731D 00	1.972044D-01	1.231477D-03
5	A% 4< #	2.911353D 01	1.838123D 00	1.436945D-01
6	A% 5< #	-3.784085D 00	-9.745637D-02	-9.561059D-03
7	A% 6< #	-1.810682D 00	-2.556021D-02	-3.830222D-02
8	A% 7< #	-8.885315D-01	-2.638838D-03	-1.609312D-02
9	A% 8< #	-3.675861D-01	-4.283333D-02	-5.563062D-03
10	A% 9< #	-1.504888D-01	-4.139653D-02	4.547143D-03
11	A% 10< #	-5.274398D-02	-3.560556D-02	7.921878D-03
12	A% 11< #	-8.828437D-03	-2.692190D-02	3.706541D-03
13	A% 12< #	1.652528D-02	-8.572349D-03	3.450202D-03
14	A% 13< #	1.935292D-02	2.401482D-03	-7.193166D-05
15	A% 14< #	1.390237D-02	2.858946D-03	-1.581436D-04
16	A% 15< #	7.013599D-03	2.313040D-03	-1.079273D-04
17	A% 16< #	3.550243D-03	1.952443D-03	-1.411978D-04
18	A% 17< #	1.813383D-03	1.430619D-03	-3.768654D-05
19	A% 18< #	9.395059D-04	9.489258D-04	1.891293D-05
20	A% 19< #	4.829323D-04	5.877512D-04	-2.624807D-05
21	A% 20< #	2.422501D-04	3.385684D-04	2.119150D-05
22	A% 21< #	1.091444D-04	1.675016D-04	1.285198D-05
23	A% 22< #	3.818523D-05	6.270850D-05	5.737919D-06
24	A% 23< #	4.512274D-07	5.754245D-07	9.675183D-07
25	A% 24< #	1.521628D-07	2.828808D-07	3.403776D-07

E = 2.54 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.948645D 01	6.945327D 00	6.537094D 00
2	A% 1< #	1.234243D 01	5.934972D-01	6.453306D-02
3	A% 2< #	6.460202D 01	-2.014429D 00	2.695911D 00
4	A% 3< #	2.723262D 00	1.953389D-01	7.455111D-04
5	A% 4< #	2.617415D 01	1.737750D 00	1.325889D-01
6	A% 5< #	-4.134301D 00	-1.029033D-01	-1.043982D-02
7	A% 6< #	-1.995177D 00	-2.877726D-02	-4.205449D-02
8	A% 7< #	-9.975806D-01	-3.489103D-03	-1.762517D-02
9	A% 8< #	-4.221907D-01	-4.712664D-02	-6.094153D-03
10	A% 9< #	-1.788467D-01	-4.536804D-02	4.996325D-03
11	A% 10< #	-6.758208D-02	-3.875508D-02	8.696240D-03
12	A% 11< #	-1.637162D-02	-2.386113D-02	4.078103D-03
13	A% 12< #	1.304761D-02	-9.882214D-03	3.785520D-03
14	A% 13< #	1.862257D-02	2.370189D-03	-8.701358D-05
15	A% 14< #	1.405752D-02	2.906758D-03	-1.713282D-04
16	A% 15< #	7.246472D-03	2.330109D-03	-1.089970D-04
17	A% 16< #	3.667452D-03	1.968807D-03	-1.425764D-04
18	A% 17< #	1.872901D-03	1.444109D-03	-3.819798D-05
19	A% 18< #	9.687002D-04	9.591426D-04	1.894942D-05
20	A% 19< #	4.971189D-04	5.942437D-04	2.653794D-05
21	A% 20< #	2.488781D-04	3.422641D-04	2.147807D-05
22	A% 21< #	1.119351D-04	1.692572D-04	1.303048D-05
23	A% 22< #	3.913514D-05	6.334024D-05	5.804791D-06
24	A% 23< #	5.826070D-07	5.756234D-07	9.588475D-07
25	A% 24< #	1.515592D-07	2.726451D-07	3.367321D-07

E = 2.56 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.822909D 01	6.585851D 00	6.122423D 00
2	A% 1< #	1.265744D 01	6.8164201D-01	6.315698D-02
3	A% 2< #	6.175147D 01	-2.020732D 00	2.524873D 00
4	A% 3< #	2.967275D 00	1.922535D-01	3.127353D-04
5	A% 4< #	2.339104D 01	1.636038D 00	1.218729D-01
6	A% 5< #	-4.406919D 00	-1.071774D-01	-1.110934D-02
7	A% 6< #	-2.136940D 00	-3.111073D-02	-4.486981D-02
8	A% 7< #	-1.080800D 00	-4.061697D-03	-1.878793D-02
9	A% 8< #	-4.636246D-01	-5.038696D-02	-6.488656D-03
10	A% 9< #	-2.005531D-01	-4.836259D-02	5.342696D-03
11	A% 10< #	-7.900802D-02	-4.113597D-02	9.291621D-03
12	A% 11< #	-2.220391D-02	-3.032575D-02	4.369518D-03
13	A% 12< #	1.033640D-02	-1.085079D-02	4.047619D-03
14	A% 13< #	1.807551D-02	2.338406D-03	-9.609323D-05
15	A% 14< #	1.418370D-02	2.937671D-03	-1.796467D-04
16	A% 15< #	7.482061D-03	2.347592D-03	-1.099493D-04
17	A% 16< #	3.786192D-03	1.985523D-03	-1.438515D-04
18	A% 17< #	1.933223D-03	1.457666D-03	-3.871775D-05
19	A% 18< #	9.983689D-04	9.694038D-04	1.897829D-05
20	A% 19< #	5.115724D-04	6.007802D-04	-2.682833D-05
21	A% 20< #	2.556461D-04	3.459881D-04	2.176629D-05
22	A% 21< #	1.147962D-04	1.710287D-04	1.321041D-05
23	A% 22< #	4.011808D-05	6.398021D-05	5.872458D-06
24	A% 23< #	7.270000D-07	5.789431D-07	9.503448D-07
25	A% 24< #	1.549261D-07	2.633933D-07	3.331516D-07

E = 2.58 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.705081D 01	6.234125D 00	5.720965D 00
2	A% 1< #	1.290464D 01	6.264488D-01	6.141339D-02
3	A% 2< #	5.878446D 01	-2.009776D 00	2.359320D 00
4	A% 3< #	3.120002D 00	1.881630D-01	-9.359557D-05
5	A% 4< #	2.081410D 01	1.536777D 00	1.117631D-01
6	A% 5< #	-4.613104D 00	-1.103555D-01	-1.160158D-02
7	A% 6< #	-2.243602D 00	-3.285747D-02	-4.697582D-02
8	A% 7< #	-1.142407D 00	-4.395898D-03	-1.963978D-02
9	A% 8< #	-4.942488D-01	-5.271542D-02	-6.781798D-03
10	A% 9< #	-2.165200D-01	-5.053815D-02	5.601936D-03
11	A% 10< #	-8.747848D-02	-4.287218D-02	9.735874D-03
12	A% 11< #	-2.654115D-02	-3.139333D-02	4.592274D-03
13	A% 12< #	8.304984D-03	-1.153555D-02	4.247828D-03
14	A% 13< #	1.770300D-02	2.305042D-03	-1.002624D-04
15	A% 14< #	1.429969D-02	2.953697D-03	-1.840740D-04
16	A% 15< #	7.721899D-03	2.3646900D-03	-1.110216D-04
17	A% 16< #	3.906985D-03	2.001965D-03	-1.452356D-04
18	A% 17< #	1.994658D-03	1.471265D-03	-3.923651D-05
19	A% 18< #	1.028568D-03	9.797396D-04	1.900944D-05
20	A% 19< #	5.262927D-04	6.073585D-04	-2.711923D-05
21	A% 20< #	2.625530D-04	3.497374D-04	2.205603D-05
22	A% 21< #	1.177268D-04	1.728143D-04	1.339162D-05
23	A% 22< #	4.113368D-05	6.462742D-05	5.940837D-06
24	A% 23< #	8.845264D-07	5.854187D-07	9.420135D-07
25	A% 24< #	1.623101D-07	2.551386D-07	3.296372D-07

E = 2.60 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.596846D 01	5.898902D 00	5.341173D 00
2	A% 1< #	-1.309799D-01	6.265524D-01	-5.962194D-02
3	A% 2< #	5.582044D 01	-1.986494D 00	2.202727D 00
4	A% 3< #	-1.199572D-00	1.835490D-01	-4.759493D-04
5	A% 4< #	1.846461D 01	1.442298D 00	1.024177D-01
6	A% 5< #	-4.764937D-00	-1.126963D-01	-1.195115D-02
7	A% 6< #	-2.320975D 00	-3.405756D-02	-4.846928D-02
8	A% 7< #	-1.186166D 00	-4.542356D-03	-2.023855D-02
9	A% 8< #	-5.158348D-01	-5.431629D-02	-6.986924D-03
10	A% 9< #	-2.277880D-01	-5.204916D-02	-5.789890D-03
11	A% 10< #	-9.351776D-02	-4.408575D-02	1.005661D-02
12	A% 11< #	-2.964592D-02	-3.213951D-02	-4.758794D-03
13	A% 12< #	6.842146D-03	-1.198991D-02	4.396904D-03
14	A% 13< #	1.748306D-02	2.271939D-03	-1.06446D-04
15	A% 14< #	1.441592D-02	2.958659D-03	-1.854216D-04
16	A% 15< #	7.965256D-03	2.381805D-03	-1.120903D-04
17	A% 16< #	4.029588D-03	2.018447D-03	-1.466225D-04
18	A% 17< #	2.057063D-03	1.484921D-03	-3.975925D-05
19	A% 18< #	1.059276D-03	9.901365D-04	1.903771D-05
20	A% 19< #	5.412831D-04	6.139815D-04	-2.741067D-05
21	A% 20< #	2.696018D-04	3.535154D-04	-2.234741D-05
22	A% 21< #	1.207286D-04	1.746158D-04	-1.357424D-05
23	A% 22< #	4.218262D-05	6.528259D-05	6.009977D-06
24	A% 23< #	1.055321D-06	5.950871D-07	9.338568D-07
25	A% 24< #	1.737575D-07	2.478935D-07	3.261893D-07

E = 2.70 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.201783D 01	4.567856D 00	3.847489D 00
2	A% 1< #	1.361292D 01	5.483180D-01	4.997043D-02
3	A% 2< #	4.292871D 01	-1.794028D 00	1.587190D 00
4	A% 3< #	2.982866D 00	1.600349D-01	-1.814305D-03
5	A% 4< #	9.886205D 00	1.066621D 00	6.730905D-02
6	A% 5< #	-5.032755D 00	-1.170670D-01	-1.242169D-02
7	A% 6< #	-2.443862D 00	-3.519211D-02	-5.050149D-02
8	A% 7< #	-1.244181D 00	-3.653432D-03	-2.099555D-02
9	A% 8< #	-5.419852D-01	-5.591688D-02	-7.233945D-03
10	A% 9< #	-2.413072D-01	-5.375049D-02	-6.092270D-03
11	A% 10< #	-1.013231D-01	-4.555509D-02	1.055585D-02
12	A% 11< #	-3.372639D-02	-3.305456D-02	-5.078944D-03
13	A% 12< #	4.974563D-03	-1.224287D-02	4.680059D-03
14	A% 13< #	1.799175D-02	2.121710D-03	-7.159336D-05
15	A% 14< #	1.520158D-02	2.894540D-03	-1.673500D-04
16	A% 15< #	9.234872D-03	2.467528D-03	-1.174896D-04
17	A% 16< #	4.669848D-03	2.101407D-03	-1.536137D-04
18	A% 17< #	2.383665D-03	1.554006D-03	-4.243179D-05
19	A% 18< #	1.220477D-03	1.043007D-03	1.913676D-05
20	A% 19< #	6.203000D-04	6.477405D-04	-2.887450D-05
21	A% 20< #	3.069783D-04	3.728115D-04	2.382741D-05
22	A% 21< #	1.368125D-04	1.838535D-04	1.450772D-05
23	A% 22< #	4.753376D-05	6.867675D-05	6.367056D-06
24	A% 23< #	2.112402D-06	6.925684D-07	8.959161D-07
25	A% 24< #	2.935106D-07	2.273143D-07	3.100549D-07

E = 2.80 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.988964D 01	3.746090D 00	2.921631D 00
2	A% 1< #	1.387395D 01	4.340754D-01	-4.220129D-02
3	A% 2< #	3.403029D 01	-1.600565D 00	1.206004D 00
4	A% 3< #	2.418300D 00	1.418914D-01	-2.733164D-03
5	A% 4< #	5.015646D 00	8.320422D-01	4.675294D-02
6	A% 5< #	-4.970687D 00	-1.168548D-01	-1.208378D-02
7	A% 6< #	-2.390147D 00	-3.317166D-02	-4.901759D-02
8	A% 7< #	-1.194627D 00	-1.782895D-03	-2.031538D-02
9	A% 8< #	-5.128548D-01	-5.347815D-02	-6.982970D-03
10	A% 9< #	-2.254264D-01	-5.175615D-02	5.975300D-03
11	A% 10< #	-9.341584D-02	-4.412975D-02	1.033196D-02
12	A% 11< #	-2.963699D-02	-3.220923D-02	5.052636D-03
13	A% 12< #	7.244258D-03	-1.123823D-02	4.651344D-03
14	A% 13< #	1.993263D-02	1.995849D-03	-2.712169D-05
15	A% 14< #	1.644791D-02	2.783528D-03	-3.364638D-04
16	A% 15< #	1.059348D-02	2.553565D-03	-1.229228D-04
17	A% 16< #	5.355952D-03	2.185339D-03	-1.606863D-04
18	A% 17< #	2.734825D-03	1.624466D-03	-4.520121D-05
19	A% 18< #	1.394613D-03	1.097381D-03	1.916401D-05
20	A% 19< #	7.062002D-04	6.825964D-04	3.034892D-05
21	A% 20< #	3.479796D-04	3.928050D-04	2.534632D-05
22	A% 21< #	1.547278D-04	1.934843D-04	1.547552D-05
23	A% 22< #	5.455116D-05	7.227282D-05	6.743504D-06
24	A% 23< #	2.519053D-06	8.751189D-07	8.631078D-07
25	A% 24< #	5.214477D-07	2.339683D-07	2.959068D-07

E = 2.90 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.878215D 01	3.246304D 00	2.342552D 00
2	A% 1< #	1.413092D 01	3.274331D-01	-3.660389D-02
3	A% 2< #	2.809686D 01	-1.448899D 00	9.678882D-01
4	A% 3< #	1.849832D 00	-1.295151D-01	-3.278328D-03
5	A% 4< #	2.1113103D 00	6.859761D-01	3.437490D-02
6	A% 5< #	-4.850752D 00	-1.160951D-01	-1.162454D-02
7	A% 6< #	-2.306304D 00	-3.070603D-02	-4.704045D-02
8	A% 7< #	-1.126565D 00	-1.757002D-04	-1.944383D-02
9	A% 8< #	-4.736627D-01	-5.056896D-02	-6.667726D-03
10	A% 9< #	-2.037789D-01	-4.933285D-02	5.792965D-03
11	A% 10< #	-8.213369D-02	-4.237727D-02	9.998810D-03
12	A% 11< #	-2.366836D-02	-3.117268D-02	4.964923D-03
13	A% 12< #	1.068934D-02	-1.010385D-02	4.569466D-03
14	A% 13< #	2.245088D-02	1.882684D-03	-1.644984D-05
15	A% 14< #	1.809247D-02	2.672322D-03	-1.065010D-04
16	A% 15< #	1.204197D-02	2.639991D-03	-1.284222D-04
17	A% 16< #	6.088451D-03	2.270288D-03	-1.678374D-04
18	A% 17< #	3.110875D-03	1.696334D-03	-4.806817D-05
19	A% 18< #	1.581897D-03	1.153285D-03	1.911869D-05
20	A% 19< #	7.991212D-04	7.185718D-04	-3.183344D-05
21	A% 20< #	3.926911D-04	4.135108D-04	2.690383D-05
22	A% 21< #	1.745271D-04	2.035209D-04	1.647805D-05
23	A% 22< #	6.206524D-05	7.607989D-05	7.140049D-06
24	A% 23< #	5.289570D-06	-1.468800D-06	8.359841D-07
25	A% 24< #	8.627863D-07	2.693941D-07	2.839600D-07

E = 3.00 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.823256D 01	2.936613D 00	1.963757D 00
2	A% 1< #	1.443265D 01	2.342986D-01	-3.237889D-02
3	A% 2< #	2.405401D 01	-1.335161D 00	8.124205D-01
4	A% 3< #	1.347142D 00	1.213034D-01	-3.758872D-03
5	A% 4< #	2.492051D-01	5.918924D-01	2.651319D-02
6	A% 5< #	-4.744643D 00	-1.158589D-01	-1.123342D-02
7	A% 6< #	-2.230119D 00	-2.843169D-02	-4.532142D-02
8	A% 7< #	-1.062816D 00	2.023256D-03	-1.868531D-02
9	A% 8< #	-4.361233D-01	-4.805571D-02	-6.392689D-03
10	A% 9< #	-1.826031D-01	-4.726536D-02	5.636618D-03
11	A% 10< #	-7.085587D-02	-4.090259D-02	9.716128D-03
12	A% 11< #	-1.757214D-02	-3.031691D-02	-4.891754D-03
13	A% 12< #	1.441592D-02	-9.113759D-03	4.502918D-03
14	A% 13< #	2.524714D-02	1.773033D-03	-5.584224D-05
15	A% 14< #	2.005307D-02	2.567007D-03	-7.959941D-05
16	A% 15< #	1.358355D-02	-2.726536D-03	-1.339183D-04
17	A% 16< #	6.868853D-03	2.356242D-03	-1.751144D-04
18	A% 17< #	2.512629D-03	1.769651D-03	-5.105830D-05
19	A% 18< #	1.782805D-03	1.210765D-03	1.899198D-05
20	A% 19< #	8.993356D-04	7.556956D-04	-3.332687D-05
21	A% 20< #	4.412681D-04	4.349507D-04	2.850170D-05
22	A% 21< #	1.962903D-04	2.139787D-04	1.751239D-05
23	A% 22< #	7.051341D-05	8.010435D-05	7.554891D-06
24	A% 23< #	7.427415D-06	1.511758D-06	-8.150612D-07
25	A% 24< #	1.322446D-06	3.350445D-07	2.744138D-07

E = 3.40 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.821211D 01	2.615063D 00	1.284303D 00
2	A% 1< #	1.600067D-01	-4.666462D-02	-2.188198D-02
3	A% 2< #	1.661436D 01	-1.097131D 00	5.355753D-01
4	A% 3< #	-7.856532D-02	1.092097D-01	-5.629822D-03
5	A% 4< #	-3.310472D 00	4.383333D-01	1.263016D-02
6	A% 5< #	-4.575249D-00	-1.212128D-01	-1.059821D-02
7	A% 6< #	-2.059903D 00	-2.262995D-02	-4.198938D-02
8	A% 7< #	-8.855223D-01	-8.527824D-03	-1.712978D-02
9	A% 8< #	-3.217576D-01	-4.263162D-02	-5.814761D-03
10	A% 9< #	-1.139079D-01	-4.326905D-02	-5.406875D-03
11	A% 10< #	-3.227384D-02	-3.845595D-02	9.268335D-03
12	A% 11< #	4.379364D-03	-2.891256D-02	-4.893495D-03
13	A% 12< #	2.987738D-02	-6.703209D-03	4.505803D-03
14	A% 13< #	3.773715D-02	-1.295958D-03	-1.831448D-04
15	A% 14< #	3.014848D-02	2.161915D-03	3.973545D-06
16	A% 15< #	2.066848D-02	-3.076395D-03	-1.566723D-04
17	A% 16< #	1.046420D-02	2.710429D-03	-2.047736D-04
18	A% 17< #	5.374166D-03	2.077163D-03	-6.392187D-05
19	A% 18< #	2.722431D-03	1.456410D-03	1.774833D-05
20	A% 19< #	1.373412D-03	-5.157815D-04	-3.936912D-05
21	A% 20< #	6.746537D-04	5.281746D-04	3.525895D-05
22	A% 21< #	3.034325D-04	2.601237D-04	2.201407D-05
23	A% 22< #	1.140156D-04	5.849284D-05	9.437604D-06
24	A% 23< #	2.004971D-05	3.974269D-06	8.030018D-07
25	A% 24< #	4.434630D-06	9.265770D-07	2.639936D-07

E = 3.80 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.927306D 01	2.566853D 00	1.058981D 00
2	A% 1< #	1.781136D-01	-2.640564D-01	1.421205D-02
3	A% 2< #	1.458750D 01	-1.008160D 00	4.471186D-01
4	A% 3< #	-5.691017D-01	1.080257D-01	-7.653827D-03
5	A% 4< #	-4.983871D 00	4.151667D-01	7.910413D-03
6	A% 5< #	-4.650284D-00	-1.317009D-01	-1.052307D-02
7	A% 6< #	-2.010914D 00	-2.009626D-02	-4.198669D-02
8	A% 7< #	-7.773960D-01	1.357150D-02	-1.688839D-02
9	A% 8< #	-2.363349D-01	-4.191617D-02	-5.720845D-03
10	A% 9< #	-5.724186D-02	-4.367629D-02	-5.560874D-03
11	A% 10< #	1.884247D-03	-3.954942D-02	9.495425D-03
12	A% 11< #	2.531867D-02	-2.948850D-02	5.196168D-03
13	A% 12< #	4.691225D-02	-5.931153D-03	4.791797D-03
14	A% 13< #	5.202039D-02	6.898644D-04	2.914355D-04
15	A% 14< #	4.316782D-02	1.687054D-03	7.456806D-05
16	A% 15< #	2.928492D-02	3.438947D-03	-1.790369D-04
17	A% 16< #	1.484533D-02	3.083272D-03	-2.356069D-04
18	A% 17< #	7.660729D-03	2.409376D-03	-7.839675D-05
19	A% 18< #	3.869220D-03	1.728200D-03	1.523337D-05
20	A% 19< #	1.970545D-03	1.095182D-03	4.548598D-05
21	A% 20< #	9.741682D-04	6.339297D-04	4.260292D-05
22	A% 21< #	4.448097D-04	3.136082D-04	2.708621D-05
23	A% 22< #	1.741907D-04	1.208143D-04	1.168238D-05
24	A% 23< #	3.962441D-05	8.194948D-06	9.259762D-07
25	A% 24< #	9.777399D-06	2.101337D-06	3.059292D-07

E = 4.40 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.131159D 01	2.926495D 00	9.533510D-01
2	A% 1< #	2.056814D 01	-5.689491D-01	-1.194780D-03
3	A% 2< #	1.496069D 01	-9.550494D-01	4.128111D-01
4	A% 3< #	-1.790044D 00	1.048387D-01	-1.163961D-02
5	A% 4< #	-6.673659D 00	4.639206D-01	5.239780D-03
6	A% 5< #	-4.916124D 00	-1.526095D-01	-1.132441D-02
7	A% 6< #	-1.995696D 00	-2.007002D-02	-4.475795D-02
8	A% 7< #	-6.387398D-01	2.149826D-02	-1.761406D-02
9	A% 8< #	-1.092732D-01	-4.539032D-02	-5.972519D-03
10	A% 9< #	3.294500D-02	-4.859097D-02	6.125939D-03
11	A% 10< #	5.898013D-02	-4.465468D-02	1.041977D-02
12	A% 11< #	6.222930D-02	-3.204112D-02	5.939888D-03
13	A% 12< #	7.858001D-02	-6.450503D-03	5.498062D-03
14	A% 13< #	7.739144D-02	-5.091273D-04	-4.517652D-04
15	A% 14< #	6.774100D-02	7.191063D-04	1.809989D-04
16	A% 15< #	4.521038D-02	4.013434D-03	-2.144972D-04
17	A% 16< #	2.294937D-02	3.683356D-03	-2.839893D-04
18	A% 17< #	1.192117D-02	2.956800D-03	-1.032184D-04
19	A% 18< #	6.086197D-03	2.187032D-03	8.949228D-06
20	A% 19< #	3.109406D-03	1.402167D-03	5.470807D-05
21	A% 20< #	1.555253D-03	3.173735D-04	5.468490D-05
22	A% 21< #	7.257971D-04	4.085864D-04	3.578265D-05
23	A% 22< #	2.984108D-04	1.623303D-04	1.577698D-05
24	A% 23< #	8.335665D-05	1.820404D-05	1.414469D-06
25	A% 24< #	2.245360D-05	5.098636D-06	4.867541D-07

E = 5.00 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.347867D 01	3.437239D 00	9.446708D-01
2	A% 1< #	2.321921D 01	-8.923819D-01	-1.662941D-02
3	A% 2< #	1.721073D 01	-9.069493D-01	4.223070D-01
4	A% 3< #	-2.169671D 00	8.816681D-02	-1.662839D-02
5	A% 4< #	-8.005746D 00	5.662426D-01	4.375092D-03
6	A% 5< #	-5.198750D 00	-1.774965D-01	-1.239586D-02
7	A% 6< #	-1.952463D 00	-2.257163D-02	-4.908650D-02
8	A% 7< #	-4.690689D-01	2.905921D-02	-1.884484D-02
9	A% 8< #	4.700806D-02	-5.225031D-02	-6.436121D-03
10	A% 9< #	1.457911D-01	-5.678052D-02	6.878033D-03
11	A% 10< #	1.322646D-01	-5.243350D-02	1.168647D-02
12	-- A% 11< #	1.109082D-01	-3.570993D-02	6.865978D-03
13	A% 12< #	1.201058D-01	-8.396280D-03	6.393349D-03
14	A% 13< #	1.084407D-01	-2.085962D-03	6.224619D-04
15	A% 14< #	9.840891D-02	-6.369017D-04	3.016368D-04
16	A% 15< #	6.489177D-02	4.627085D-03	-2.501532D-04
17	A% 16< #	3.295478D-02	4.333226D-03	-3.348052D-04
18	-- A% 17< #	1.721435D-02	3.565497D-03	-1.319029D-04
19	A% 18< #	8.842541D-03	2.709695D-03	-4.943451D-07
20	A% 19< #	4.554869D-03	1.756631D-03	-6.387556D-05
21	A% 20< #	2.303373D-03	1.032091D-03	6.800768D-05
22	A% 21< #	1.094851D-03	5.223942D-04	4.580670D-05
23	A% 22< #	4.664303D-04	2.142335D-04	2.079942D-05
24	-- A% 23< #	1.458218D-04	3.305852D-05	2.325346D-06
25	A% 24< #	4.126688D-05	9.738315D-06	8.314379D-07

E = 6.00 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.712741D 01	4.470476D 00	1.010917D 00
2	A% 1< #	2.738331D 01	-1.523087D 00	-6.134861D-02
3	A% 2< #	2.320863D 01	-7.204126D-01	4.812610D-01
4	A% 3< #	-1.852408D 00	5.030483D-03	-2.727035D-02
5	A% 4< #	-9.715355D 00	8.233457D-01	4.969529D-03
6	-- A% 5< #	-5.490718D 00	-2.252277D-01	-1.445453D-02
7	A% 6< #	-1.686329D 00	-3.184434D-02	-5.798204D-02
8	A% 7< #	-4.004335D-02	4.177731D-02	-2.125415D-02
9	A% 8< #	4.141904D-01	-6.921046D-02	-7.439242D-03
10	A% 9< #	4.077806D-01	-7.588467D-02	8.330250D-03
11	A% 10< #	3.045062D-01	-6.988380D-02	1.418048D-02
12	-- A% 11< #	2.270629D-01	-4.355538D-02	8.634062D-03
13	A% 12< #	2.158390D-01	-1.422666D-02	8.159807D-03
14	-- A% 13< #	1.754406D-01	-5.510006D-03	9.424024D-04
15	A% 14< #	1.6355573D-01	-3.839132D-03	5.480856D-04
16	A% 15< #	1.064682D-01	5.766557D-03	-3.095518D-04
17	A% 16< #	5.400055D-02	5.536777D-03	-4.243878D-04
18	-- A% 17< #	2.841546D-02	4.723221D-03	-1.883912D-04
19	A% 18< #	1.473406D-02	3.728281D-03	-2.360916D-05
20	A% 19< #	7.681221D-03	2.457839D-03	-7.876925D-05
21	A% 20< #	3.943837D-03	1.463253D-03	9.287395D-05
22	A% 21< #	1.918854D-03	7.566978D-04	6.551699D-05
23	A% 22< #	8.513152D-04	3.256652D-04	3.136786D-05
24	A% 23< #	2.952261D-04	6.964703D-05	4.923838D-06
25	A% 24< #	8.759704D-05	2.151547D-05	1.825090D-06

E = 7.00 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.077997D 01	5.643988D 00	1.123510D 00
2	A% 1< #	3.142280D 01	-2.309346D 00	-1.280559D-01
3	A% 2< #	3.103084D 01	-2.865916D-01	5.732910D-01
4	A% 3< #	-1.648889D-01	-1.746807D-01	-4.084992D-02
5	A% 4< #	-1.073790D 01	1.183884D 00	7.715071D-03
6	A% 5< #	-5.405410D 00	-2.796618D-01	-1.656049D-02
7	A% 6< #	-1.073814D 00	-4.705740D-02	-6.803932D-02
8	A% 7< #	6.317942D-01	5.454328D-02	-2.370192D-02
9	A% 8< #	9.510317D-01	-9.166960D-02	-8.603245D-03
10	A% 9< #	7.838352D-01	-1.002093D-01	9.891526D-03
11	A% 10< #	5.529907D-01	-9.170170D-02	1.692805D-02
12	A% 11< #	3.960541D-01	-5.217345D-02	1.055735D-02
13	A% 12< #	3.495589D-01	-2.280285D-02	1.018224D-02
14	A% 13< #	2.650945D-01	-9.763441D-03	-1.311521D-03
15	A% 14< #	2.470748D-01	-8.219678D-03	8.605328D-04
16	A% 15< #	1.596582D-01	7.093421D-03	-3.675690D-04
17	A% 16< #	8.069914D-02	6.900839D-03	-5.196449D-04
18	A% 17< #	4.266876D-02	6.066653D-03	-2.559184D-04
19	A% 18< #	2.230923D-02	4.937178D-03	-5.630841D-05
20	A% 19< #	1.174363D-02	3.302369D-03	-9.287907D-05
21	A% 20< #	6.102361D-03	1.990496D-03	1.209653D-04
22	A% 21< #	3.019518D-03	1.050041D-03	8.904415D-05
23	A% 22< #	1.376094D-03	4.704158D-04	4.484250D-05
24	A% 23< #	5.055539D-04	1.222723D-04	9.039114D-06
25	A% 24< #	1.542147D-04	3.881126D-05	3.407333D-06

E = 8.00 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.445633D 01	6.899541D 00	1.261190D 00
2	A% 1< #	3.563297D 01	-3.283830D 00	-2.185855D-01
3	A% 2< #	4.012594D 01	4.834457D-01	6.909245D-01
4	A% 3< #	3.139475D 00	-4.710581D-01	-5.739213D-02
5	A% 4< #	-1.092177D 01	1.641560D 00	1.293837D-02
6	A% 5< #	-4.842638D 00	-3.402106D-01	-1.846746D-02
7	A% 6< #	-3.835873D-02	-6.756577D-02	-7.876852D-02
8	A% 7< #	1.588466D 00	6.753275D-02	-2.599461D-02
9	A% 8< #	1.684111D 00	-1.180631D-01	-9.892517D-03
10	A% 9< #	1.291256D 00	-1.278949D-01	1.146797D-02
11	A% 10< #	8.888743D-01	-1.163009D-01	1.978145D-02
12	A% 11< #	6.254108D-01	-6.130501D-02	1.254170D-02
13	A% 12< #	5.252702D-01	-3.344946D-02	1.240587D-02
14	A% 13< #	3.810435D-01	-1.450426D-02	1.730833D-03
15	A% 14< #	3.498265D-01	-1.364093D-02	1.245480D-03
16	A% 15< #	2.252308D-01	8.663238D-03	-4.222979D-04
17	A% 16< #	1.132491D-01	8.435389D-03	-6.200801D-04
18	A% 17< #	6.012697D-02	7.601417D-03	-3.347838D-04
19	A% 18< #	3.162297D-02	6.340853D-03	-9.907081D-05
20	A% 19< #	1.677690D-02	4.294563D-03	1.058758D-04
21	A% 20< #	8.801265D-03	2.617508D-03	1.521689D-04
22	A% 21< #	4.411027D-03	1.405407D-03	1.164460D-04
23	A% 22< #	2.048910D-03	6.504797D-04	6.137017D-05
24	A% 23< #	7.807715D-04	1.920846D-04	1.482451D-05
25	A% 24< #	2.425660D-04	6.205259D-05	5.637729D-06

E = 9.00 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.818787D 01	8.191428D 00	1.415038D 00
2	A% 1< #	4.027783D 01	-4.463054D 00	-3.331363D-01
3	A% 2< #	5.013618D 01	1.635460D 00	8.311026D-01
4	A% 3< #	8.258689D 00	-8.916795D-01	-7.682087D-02
5	A% 4< #	-1.011490D 01	2.187872D 00	2.113286D-02
6	A% 5< #	-3.743618D 00	-4.061169D-01	-1.986340D-02
7	A% 6< #	1.474624D 00	-9.249874D-02	-8.988203D-02
8	A% 7< #	2.856696D 00	8.109356D-02	-2.800362D-02
9	A% 8< #	2.631210D 00	-1.464626D-01	-1.130005D-02
10	A% 9< #	1.0941639D 00	-1.568126D-01	1.299267D-02
11	A% 10< #	1.3119998D 00	-1.418850D-01	2.263417D-02
12	A% 11< #	9.206920D-01	-6.974280D-02	1.450933D-02
13	A% 12< #	7.458320D-01	-4.531208D-02	1.479065D-02
14	A% 13< #	5.263744D-01	-1.923477D-02	2.197375D-03
15	A% 14< #	4.725528D-01	-1.982632D-02	1.705307D-03
16	A% 15< #	3.040086D-01	1.054390D-02	-4.717760D-04
17	A% 16< #	1.5118493D-01	1.015270D-02	-7.249757D-04
18	A% 17< #	8.081559D-02	9.333864D-03	-4.249641D-04
19	A% 18< #	4.272327D-02	7.943767D-03	-1.521972D-04
20	A% 19< #	2.281027D-02	5.438301D-03	-1.175389D-04
21	A% 20< #	1.205899D-02	3.347328D-03	1.863859D-04
22	A% 21< #	6.104517D-03	1.825103D-03	1.477589D-04
23	A% 22< #	2.876325D-03	8.674647D-04	8.106930D-05
24	A% 23< #	1.124072D-03	2.800099D-04	2.240341D-05
25	A% 24< #	3.538163D-04	9.158342D-05	8.564242D-06

E = 10.00 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.199621D 01	9.479508D 00	1.579777D 00
2	A% 1< #	4.554307D 01	-5.846159D 00	-4.704485D-01
3	A% 2< #	6.077148D 01	3.170393D 00	9.914660D-01
4	A% 3< #	1.528875D 01	-1.434054D 00	-9.875242D-02
5	A% 4< #	-8.192048D 00	2.809963D 00	3.268472D-02
6	A% 5< #	-2.071312D-00	-4.762444D-01	-2.036386D-02
7	A% 6< #	3.510143D 00	-1.206089D-01	-1.011693D-01
8	A% 7< #	4.455764D 00	9.555221D-02	-2.971993D-02
9	A% 8< #	3.804789D 00	-1.747359D-01	-1.282773D-02
10	A% 9< #	2.743612D 00	-1.845840D-01	1.439712D-02
11	A% 10< #	1.852090D 00	-1.664697D-01	2.539276D-02
12	A% 11< #	1.2286176D 00	-7.641147D-02	1.639065D-02
13	A% 12< #	1.013461D 00	-5.740316D-02	1.730155D-02
14	A% 13< #	7.037465D-01	-2.333191D-02	-2.708679D-03
15	A% 14< #	6.159275D-01	-2.639161D-02	2.240958D-03
16	A% 15< #	3.968853D-01	1.281496D-02	-5.135897D-04
17	A% 16< #	1.967158D-01	1.206662D-02	-8.338756D-04
18	A% 17< #	1.048445D-01	1.127085D-02	-5.266371D-04
19	A% 18< #	5.565818D-02	9.750447D-03	-2.160647D-04
20	A% 19< #	2.987261D-02	6.737429D-03	-1.276024D-04
21	A% 20< #	1.589211D-02	4.182812D-03	2.235527D-04
22	A% 21< #	8.109974D-03	2.311260D-03	1.830293D-04
23	A% 22< #	3.863771D-03	1.122700D-03	1.040377D-04
24	A% 23< #	1.538098D-03	3.868143D-04	3.187791D-05
25	A% 24< #	4.889300D-04	1.276884D-04	1.222658D-05

E = 0.20 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.124784D 00	1.318653D-02	2.011897D-05
2	A% 1< #	-5.746995D-01	-3.338651D-03	-2.697875D-05
3	A% 2< #	-2.002408D-01	-7.418453D-05	2.640889D-05
4	A% 3< #	-6.211539D-02	-1.311616D-03	1.481443D-05
5	A% 4< #	-3.409557D-02	-1.978911D-03	-1.978573D-06
6	A% 5< #	-2.637545D-02	-2.776451D-03	-1.845814D-05
7	A% 6< #	4.596686D-03	-1.108438D-03	-2.437152D-05
8	A% 7< #	9.431027D-03	-2.986164D-04	-2.892997D-05
9	A% 8< #	9.097727D-03	-7.301166D-04	-1.698218D-05
10	A% 9< #	7.880081D-03	-7.442709D-04	-2.358297D-06
11	A% 10< #	6.936857D-03	-8.137844D-04	9.224726D-06
12	A% 11< #	6.696930D-03	-8.298976D-04	1.651783D-05
13	A% 12< #	6.583070D-03	2.071654D-04	2.315704D-05
14	A% 13< #	-2.888145D-03	-4.379202D-04	-1.701546D-05
15	A% 14< #	-1.000465D-03	3.777014D-04	1.6753679D-06
16	A% 15< #	-3.094536D-04	-3.029285D-04	-5.426817D-06
17	A% 16< #	-3.929722D-05	2.304947D-04	-9.633579D-06
18	A% 17< #	-7.143233D-05	1.549235D-04	-2.167631D-06
19	A% 18< #	1.149226D-04	9.314954D-05	1.528621D-06
20	A% 19< #	1.063769D-04	6.214075D-05	-2.631975D-07
21	A% 20< #	8.345647D-05	4.135987D-05	2.008964D-07
22	A% 21< #	5.800625D-05	2.598537D-05	-6.574261D-07
23	A% 22< #	3.597438D-05	1.398533D-05	9.847731D-07
24	A% 23< #	1.788007D-05	5.385592D-06	-9.717615D-07
25	A% 24< #	7.147968D-06	2.143805D-06	3.754520D-07

E = 0.80 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.875106D 00	9.029703D-02	1.1018100D-03
2	A% 1< #	-7.404763D-01	-7.253248D-02	-1.291373D-05
3	A% 2< #	-2.452111D 00	2.078776D-02	5.434528D-04
4	A% 3< #	-7.255259D-01	-5.000444D-03	-4.046413D-05
5	A% 4< #	-2.253525D-01	-7.405484D-03	2.108235D-04
6	A% 5< #	-1.515722D-01	-1.204708D-02	-3.125579D-06
7	A% 6< #	1.094936D-02	-1.317238D-03	3.539498D-04
8	A% 7< #	5.236339D-02	-7.830646D-04	-8.181336D-05
9	A% 8< #	4.521305D-02	-5.747621D-04	2.437837D-05
10	A% 9< #	3.427159D-02	-9.558208D-04	-2.731602D-05
11	A% 10< #	2.686198D-02	-1.683649D-03	-1.994433D-05
12	A% 11< #	2.363425D-02	-2.760543D-03	5.511435D-05
13	A% 12< #	2.012405D-02	1.795837D-03	8.071597D-05
14	A% 13< #	-6.480461D-03	1.492627D-03	7.660422D-05
15	A% 14< #	-5.075837D-03	1.249605D-03	2.864551D-05
16	A% 15< #	-1.831349D-03	1.068460D-03	-3.029183D-05
17	A% 16< #	-7.508680D-04	8.308283D-04	-4.558075D-05
18	A% 17< #	-2.480974D-04	5.608690D-04	-9.564308D-06
19	A% 18< #	1.547630D-05	3.361465D-04	8.352238D-06
20	A% 19< #	9.354930D-05	2.123702D-04	-5.020731D-06
21	A% 20< #	1.003845D-04	1.315234D-04	3.276090D-06
22	A% 21< #	7.892370D-05	7.439681D-05	2.741957D-06
23	A% 22< #	5.132434D-05	3.4576110D-05	2.466615D-06
24	A% 23< #	2.421827D-05	8.155947D-06	-1.954489D-06
25	A% 24< #	1.065387D-05	3.449836D-06	7.485429D-07

$E = 1.20 \text{ eV}, j = 3$	$j' = j$	$j' = j + 2$	$j' = j + 4$
1 A% 0< #	9.078186D 00	1.825951D-01	1.186421D-02
2 A% 1< #	8.350433D-01	-1.853246D-01	-6.046387D-04
3 A% 2< #	-4.915989D 00	7.877288D-02	5.148169D-03
4 A% 3< #	-1.688118D-00	-7.757542D-03	-2.595313D-05
5 A% 4< #	-1.757242D-01	-8.528212D-03	1.199724D-03
6 A% 5< #	-1.527329D-01	-1.763398D-02	3.166521D-04
7 A% 6< #	6.531216D-02	1.642140D-03	1.982514D-03
8 A% 7< #	1.278393D-01	1.473557D-03	7.389529D-04
9 A% 8< #	9.632300D-02	2.474844D-03	2.737286D-04
10 A% 9< #	6.629575D-02	1.449254D-03	-1.712491D-04
11 A% 10< #	4.689674D-02	-3.221416D-04	-2.798844D-04
12 A% 11< #	-3.697.957D-02	-3.018259D-03	-1.775273D-06
13 A% 12< #	2.811282D-02	3.913356D-03	4.039951D-05
14 A% 13< #	-2.952364D-03	1.99674D-03	1.360810D-04
15 A% 14< #	-5.943537D-03	1.658344D-03	5.651282D-05
16 A% 15< #	-1.724861D-03	1.531033D-03	-5.049441D-05
17 A% 16< #	-7.332707D-04	1.212908D-03	-7.330931D-05
18 A% 17< #	-2.707272D-04	8.307261D-04	-1.620370D-05
19 A% 18< #	-9.249653D-06	5.069251D-04	1.259701D-05
20 A% 19< #	7.177944D-05	3.154121D-04	9.720274D-06
21 A% 20< #	8.325805D-05	1.895200D-04	6.740387D-06
22 A% 21< #	6.566930D-05	1.017139D-04	4.631473D-06
23 A% 22< #	4.131311D-05	4.350377D-05	3.184162D-06
24 A% 23< #	1.665209D-05	6.371393D-06	1.973928D-06
25 A% 24< #	8.146514D-06	2.855372D-06	7.498047D-07

$E = 1.60 \text{ eV}, j = 3$	$j' = j$	$j' = j + 2$	$j' = j + 4$
1 A% 0< #	1.256009D 01	3.541553D-01	9.552274D-02
2 A% 1< #	-2.851229D-00	-3.929439D-01	-2.714667D-03
3 A% 2< #	-7.921973D 00	2.272838D-01	4.016577D-02
4 A% 3< #	-3.356733D-00	-1.232727D-02	-7.096613D-05
5 A% 4< #	9.357802D-01	7.136475D-03	5.483172D-03
6 A% 5< #	1.783330D-01	-1.509350D-02	-1.474557D-03
7 A% 6< #	3.020538D-01	8.882810D-03	7.288044D-03
8 A% 7< #	3.265870D-01	6.096920D-03	-2.532512D-03
9 A% 8< #	2.127866D-01	1.067474D-02	1.072671D-03
10 A% 9< #	1.328703D-01	8.452473D-03	-7.126656D-04
11 A% 10< #	8.440856D-02	4.608752D-03	-1.244798D-03
12 A% 11< #	5.834735D-02	-1.069901D-03	-3.512857D-04
13 A% 12< #	3.960068D-02	7.724143D-03	-2.688313D-04
14 A% 13< #	4.799111D-03	2.339380D-03	-2.305370D-04
15 A% 14< #	-4.549996D-03	1.883236D-03	1.110525D-04
16 A% 15< #	-2.064604D-04	1.976650D-03	-7.247584D-05
17 A% 16< #	-1.603080D-05	1.597067D-03	-1.034019D-04
18 A% 17< #	-5.081082D-05	1.113766D-03	-2.452892D-05
19 A% 18< #	1.226691D-04	6.963772D-04	1.593035D-05
20 A% 19< #	-1.186020D-04	4.306903D-04	1.510627D-05
21 A% 20< #	9.325191D-05	2.536674D-04	1.114148D-05
22 A% 21< #	6.073849D-05	1.309594D-04	7.044458D-06
23 A% 22< #	3.216102D-05	5.249724D-05	3.972963D-06
24 A% 23< #	7.915125D-06	3.532711D-06	1.777019D-06
25 A% 24< #	4.795819D-06	1.930933D-06	6.672168D-07

E = 2.00 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.877889D 01	1.135570D 00	8.950971D-01
2	A% 1< #	4.063097D-00	-8.0273359D-01	-6.855324D-03
3	A% 2< #	-8.034737D 00	5.848265D-01	3.713332D-01
4	A% 3< #	-6.802789D-00	-1.979530D-02	9.047710D-04
5	A% 4< #	8.787009D 00	1.979201D-01	3.168683D-02
6	A% 5< #	-1.751306D-00	-3.956211D-03	5.574035D-03
7	A% 6< #	1.209671D 00	2.786026D-02	2.523633D-02
8	A% 7< #	9.451136D-01	1.544417D-02	-1.035014D-02
9	A% 8< #	5.455722D-01	3.459219D-02	3.707216D-03
10	A% 9< #	3.133388D-01	2.983208D-02	-2.697625D-03
11	A% 10< #	1.812590D-01	2.084114D-02	-4.726866D-03
12	A% 11< #	1.094011D-01	7.887410D-03	-1.831344D-03
13	A% 12< #	6.559438D-02	1.658508D-02	-1.603999D-03
14	A% 13< #	1.890327D-02	2.528602D-03	-4.118037D-04
15	A% 14< #	-3.769888D-04	1.762612D-03	2.344242D-04
16	A% 15< #	-2.947685D-03	2.414532D-03	-5.580234D-05
17	A% 16< #	1.532362D-03	1.990562D-03	-1.355971D-04
18	A% 17< #	7.95430D-04	1.416087D-03	-3.466680D-05
19	A% 18< #	4.647981D-04	9.096010D-04	1.806845D-05
20	A% 19< #	2.682843D-04	5.625092D-04	2.094565D-05
21	A% 20< #	1.519491D-04	3.273652D-04	1.639449D-05
22	A% 21< #	7.716940D-05	1.646883D-04	1.003363D-05
23	A% 22< #	3.126573D-05	6.324691D-05	4.958411D-06
24	A% 23< #	1.603236D-06	1.819503D-06	1.490964D-06
25	A% 24< #	1.911524D-06	1.040251D-06	5.500652D-07

E = 2.10 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.243399D 01	1.879850D 00	1.722699D 00
2	A% 1< #	4.021571D-00	-9.917981D-01	-6.054581D-03
3	A% 2< #	-3.395913D 00	6.794333D-01	7.132401D-01
4	A% 3< #	-8.196434D-00	-1.607865D-02	-1.680017D-03
5	A% 4< #	1.542342D 01	4.051879D-01	5.459026D-02
6	A% 5< #	-2.610598D-00	5.804400D-03	7.649522D-03
7	A% 6< #	1.685751D 00	3.661651D-02	3.422864D-02
8	A% 7< #	1.252809D-00	1.913777D-02	-1.405884D-02
9	A% 8< #	7.070731D-01	4.596268D-02	5.009217D-03
10	A% 9< #	4.002312D-01	4.016539D-02	-3.726507D-03
11	A% 10< #	2.277365D-01	2.882818D-02	-6.519076D-03
12	A% 11< #	1.336046D-01	1.252606D-02	-2.636069D-03
13	A% 12< #	7.788806D-02	2.051929D-02	-2.329955D-03
14	A% 13< #	2.456628D-02	2.583305D-03	-4.799774D-04
15	A% 14< #	1.473416D-03	1.653026D-03	2.837740D-04
16	A% 15< #	4.010406D-03	2.523335D-03	-1.017664D-04
17	A% 16< #	2.060178D-03	2.090829D-03	-1.439054D-04
18	A% 17< #	1.060445D-03	1.495149D-03	-3.751872D-05
19	A% 18< #	5.877661D-04	9.670284D-04	1.837520D-05
20	A% 19< #	3.246593D-04	-5.984053D-04	2.245724D-05
21	A% 20< #	1.760449D-04	3.475634D-04	1.783373D-05
22	A% 21< #	8.570719D-05	1.740335D-04	1.087545D-05
23	A% 22< #	3.295135D-05	6.635027D-05	5.246166D-06
24	A% 23< #	7.041948D-07	1.423843D-06	1.416278D-06
25	A% 24< #	1.372966D-06	8.533070D-07	5.195048D-07

E = 2.20 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.880880D 01	3.461369D 00	3.470085D 00
2	A% 1< #	4.075102D 00	-1.118373D 00	-7.258285D-04
3	A% 2< #	1.019499D 01	6.166204D-01	1.434458D 00
4	A% 3< #	-9.487447D 00	4.955536D-03	-3.053098D-03
5	A% 4< #	2.768799D 01	8.539390D-01	9.882161D-02
6	A% 5< #	3.552706D 00	1.569353D-02	-9.808390D-03
7	A% 6< #	2.202262D 00	4.584075D-02	4.368595D-02
8	A% 7< #	1.585020D 00	2.276361D-02	-1.791681D-02
9	A% 8< #	8.830079D-01	5.761546D-02	6.361709D-03
10	A% 9< #	4.959264D-01	5.076762D-02	-4.827278D-03
11	A% 10< #	2.798617D-01	3.700761D-02	-8.427676D-03
12	A% 11< #	-1.610899D-01	1.723415D-02	-3.527611D-03
13	A% 12< #	9.246942D-02	2.450404D-02	-3.129686D-03
14	A% 13< #	3.157046D-02	2.692092D-03	-5.381966D-04
15	A% 14< #	4.299340D-03	1.576068D-03	3.253061D-04
16	A% 15< #	-5.188420D-03	2.832330D-03	-1.078351D-04
17	A% 16< #	2.647135D-03	2.192153D-03	-1.523765D-04
18	A% 17< #	1.352396D-03	1.575748D-03	-4.046501D-05
19	A% 18< #	7.265615D-04	1.026208D-03	1.861139D-05
20	A% 19< #	-3.892426D-04	6.355522D-04	-2.398602D-05
21	A% 20< #	2.043019D-04	3.685301D-04	1.932217D-05
22	A% 21< #	9.625230D-05	1.837864D-04	-1.175592D-05
23	A% 22< #	3.553452D-05	6.964987D-05	5.552548D-06
24	A% 23< #	1.416149D-07	1.098785D-06	-1.342559D-06
25	A% 24< #	9.309863D-07	6.871997D-07	4.893231D-07

E = 2.30 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.906475D 01	6.538946D 00	6.778433D 00
2	A% 1< #	5.517355D 00	-9.555849D-01	-2.389191D-02
3	A% 2< #	4.318019D 01	-3.308091D-02	2.798819D 00
4	A% 3< #	-8.920237D 00	-7.390514D-02	-4.905753D-03
5	A% 4< #	4.710562D 01	1.728720D 00	1.740550D-01
6	A% 5< #	3.465620D 00	-8.785938D-03	-9.273464D-03
7	A% 6< #	2.157563D 00	4.531947D-02	4.183504D-02
8	A% 7< #	-1.573966D 00	2.256985D-02	-1.703787D-02
9	A% 8< #	8.887437D-01	5.489369D-02	6.046894D-03
10	A% 9< #	5.060079D-01	-4.813527D-02	-4.664601D-03
11	A% 10< #	2.898263D-01	3.467164D-02	-8.120931D-03
12	A% 11< #	-1.682109D-01	1.538822D-02	-3.483755D-03
13	A% 12< #	9.926253D-02	2.377773D-02	-3.070891D-03
14	A% 13< #	-3.801693D-02	2.919860D-03	-4.974891D-04
15	A% 14< #	9.149541D-03	1.803388D-03	2.880776D-04
16	A% 15< #	6.482856D-03	2.741427D-03	-1.139606D-04
17	A% 16< #	3.294082D-03	2.294502D-03	-1.609658D-04
18	A% 17< #	1.676040D-03	-1.657920D-03	-4.353614D-05
19	A% 18< #	8.817055D-04	1.087183D-03	1.875425D-05
20	A% 19< #	4.6623092D-04	6.739946D-04	2.552877D-05
21	A% 20< #	2.368952D-04	3.903000D-04	2.085906D-05
22	A% 21< #	-1.089125D-04	1.939749D-04	-1.267616D-05
23	A% 22< #	3.907575D-05	7.316179D-05	5.878736D-06
24	A% 23< #	-5.553329D-08	8.521199D-07	-1.220707D-06
25	A% 24< #	5.959186D-07	5.447941D-07	4.599042D-07

E = 2.32 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.128287D 01	7.301722D 00	7.575313D 00
2	A% 1< #	6.207972D 00	-8.467739D-01	3.141981D-02
3	A% 2< #	5.242353D 01	-2.869337D-01	3.127325D 00
4	A% 3< #	-8.261574D 00	5.611823D-02	5.181469D-03
5	A% 4< #	5.105976D 01	1.944383D 00	1.906033D-01
6	A% 5< #	3.091397D 00	2.042503D-03	8.284926D-03
7	A% 6< #	1.955926D 00	4.157257D-02	3.772456D-02
8	A% 7< #	1.454125D 00	2.136206D-02	1.531001D-02
9	A% 8< #	8.308767D-01	4.971156D-02	5.439657D-03
10	A% 9< #	4.777160D-01	4.332880D-02	-4.204949D-03
11	A% 10< #	2.763898D-01	3.081133D-02	-7.315062D-03
12	A% 11< #	1.619696D-01	1.292581D-02	-3.145572D-03
13	A% 12< #	9.730658D-02	2.212676D-02	-2.758853D-03
14	A% 13< #	3.863951D-02	2.979891D-03	4.622668D-04
15	A% 14< #	1.041530D-02	1.930547D-03	2.589483D-04
16	A% 15< #	6.755857D-03	2.763258D-03	-1.151964D-04
17	A% 16< #	3.430767D-03	2.315100D-03	-1.626969D-04
18	A% 17< #	1.744625D-03	1.674545D-03	-4.416513D-05
19	A% 18< #	9.147304D-04	1.099595D-03	1.877168D-05
20	A% 19< #	4.779623D-04	6.818399D-04	2.583899D-05
21	A% 20< #	2.439479D-04	3.947518D-04	2.117222D-05
22	A% 21< #	1.117068D-04	1.960661D-04	1.286495D-05
23	A% 22< #	3.990370D-05	7.389051D-05	5.946387D-06
24	A% 23< #	-4.872687D-08	8.128401D-07	1.256640D-06
25	A% 24< #	5.426005D-07	5.193990D-07	4.541456D-07

E = 2.34 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.332013D 01	8.053237D 00	8.347466D 00
2	A% 1< #	7.0744487D 00	-7.067201D-01	3.960709D-02
3	A% 2< #	6.203771D 01	-5.828059D-01	3.445507D 00
4	A% 3< #	-7.362770D 00	1.205688D-01	5.371139D-03
5	A% 4< #	5.451421D 01	2.155952D 00	2.058307D-01
6	A% 5< #	2.545578D 00	-7.179463D-03	6.822240D-03
7	A% 6< #	1.662045D 00	3.709665D-02	3.185625D-02
8	A% 7< #	1.278047D 00	1.962745D-02	1.265618D-02
9	A% 8< #	7.446506D-01	4.237484D-02	4.578067D-03
10	A% 9< #	4.347252D-01	3.653092D-02	-3.542383D-03
11	A% 10< #	2.553620D-01	2.537427D-02	-6.156236D-03
12	A% 11< #	1.519125D-01	9.496397D-03	-2.647576D-03
13	A% 12< #	9.362531D-02	1.977941D-02	-2.301877D-03
14	A% 13< #	3.884147D-02	3.040518D-03	4.155958D-04
15	A% 14< #	1.173948D-02	2.091425D-03	2.206758D-04
16	A% 15< #	7.033607D-03	2.785099D-03	-1.164265D-04
17	A% 16< #	3.569915D-03	2.335741D-03	-1.644293D-04
18	A% 17< #	1.814512D-03	1.691232D-03	-4.479861D-05
19	A% 18< #	5.484298D-04	1.112078D-03	1.878534D-05
20	A% 19< #	4.939674D-04	6.897370D-04	2.614965D-05
21	A% 20< #	2.511822D-04	3.992363D-04	2.148725D-05
22	A% 21< #	1.145899D-04	1.981746D-04	1.305530D-05
23	A% 22< #	4.077228D-05	7.462762D-05	6.04801D-06
24	A% 23< #	-2.605095D-08	7.770226D-07	1.242679D-06
25	A% 24< #	4.940215D-07	4.950807D-07	4.484351D-07

E = 2.36 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.502583D 01	8.746523D 00	9.043329D 00
2	A% 1< #	8.108529D 00	-5.382060D-01	4.816929D-02
3	A% 2< #	7.151167D 01	-9.109948D-01	3.732153D 00
4	A% 3< #	-6.234271D 00	1.462481D-01	5.430831D-03
5	A% 4< #	5.716012D 01	2.349885D 00	2.185557D-01
6	A% 5< #	1.826630D 00	-1.884592D-02	5.069296D-03
7	A% 6< #	1.275349D 00	3.069557D-02	2.423632D-02
8	A% 7< #	1.045433D 00	1.738259D-02	5.680890D-03
9	A% 8< #	6.298332D-01	3.290755D-02	3.464185D-03
10	A% 9< #	3.768392D-01	2.776289D-02	-2.676459D-03
11	A% 10< #	2.265804D-01	1.837788D-02	-4.644205D-03
12	A% 11< #	1.379335D-01	5.113860D-03	-1.987674D-03
13	A% 12< #	8.213043D-02	1.674560D-02	-1.698201D-03
14	A% 13< #	3.856268D-02	3.098018D-03	3.583363D-04
15	A% 14< #	1.307654D-02	2.283050D-03	1.738946D-04
16	A% 15< #	7.316088D-03	2.806948D-03	-1.176578D-04
17	A% 16< #	3.711518D-03	2.356431D-03	-1.661651D-04
18	A% 17< #	1.885699D-03	1.707986D-03	-4.543678D-05
19	A% 18< #	9.828047D-04	1.124636D-03	1.879544D-05
20	A% 19< #	5.103258D-04	6.976883D-04	2.646091D-05
21	A% 20< #	2.585979D-04	4.037534D-04	2.1E0418D-05
22	A% 21< #	1.175624D-04	2.003008D-04	1.324718D-05
23	A% 22< #	4.168215D-05	7.537382D-05	-6.084047D-06
24	A% 23< #	1.275044D-08	7.447554D-07	1.228848D-06
25	A% 24< #	4.502551D-07	4.718594D-07	4.427754D-07

E = 2.38 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.625716D 01	9.331547D 00	9.609536D 00
2	A% 1< #	9.279132D 00	-3.481874D-01	5.662772D-02
3	A% 2< #	8.023960D 01	-1.255698D 00	3.965268D 00
4	A% 3< #	-4.917296D 00	1.717716D-01	5.335996D-03
5	A% 4< #	5.872072D 01	2.511855D 00	2.276495D-01
6	A% 5< #	9.540997D-01	-3.261272D-02	2.900176D-03
7	A% 6< #	8.066265D-01	2.296269D-02	1.509001D-02
8	A% 7< #	7.629142D-01	1.471049D-02	5.879522D-03
9	A% 8< #	4.896821D-01	2.160298D-02	2.131710D-03
10	A% 9< #	3.056643D-01	1.729346D-02	-1.631727D-03
11	A% 10< #	1.908077D-01	1.003591D-02	-2.822334D-03
12	A% 11< #	1.203891D-01	-8.665320D-05	-1.123262D-03
13	A% 12< #	8.053915D-02	1.312206D-02	-9.639114D-04
14	A% 13< #	3.779150D-02	3.148171D-03	2.928140D-04
15	A% 14< #	1.437041D-02	2.497937D-03	1.204522D-04
16	A% 15< #	7.603325D-03	2.828802D-03	-1.188900D-04
17	A% 16< #	3.855593D-03	2.377166D-03	-1.679043D-04
18	A% 17< #	1.958197D-03	1.724805D-03	-4.608016D-05
19	A% 18< #	1.017860D-03	1.137268D-03	1.880158D-05
20	A% 19< #	5.270404D-04	7.056932D-04	2.677272D-05
21	A% 20< #	2.661977D-04	4.023043D-04	2.212310D-05
22	A% 21< #	1.206262D-04	2.024460D-04	1.344072D-05
23	A% 22< #	4.263381D-05	7.612922D-05	6.154113D-06
24	A% 23< #	6.784079D-08	7.160647D-07	1.215135D-06
25	A% 24< #	4.113734D-07	4.497554D-07	4.371693D-07

E = 2.40 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.691052D 01	9.764845D 00	1.000149D 01
2	A% 1< #	1.053407D 01	-1.472449D-01	-6.447265D-02
3	A% 2< #	8.762486D 01	-1.596909D 00	4.126432D 00
4	A% 3< #	-3.482240D 00	1.955718D-01	5.078639D-03
5	A% 4< #	5.901571D 01	2.629528D 00	2.322788D-01
6	A% 5< #	-3.056412D-02	-4.782894D-02	4.803685D-04
7	A% 6< #	2.787182D-01	1.428464D-02	4.855721D-03
8	A% 7< #	4.443757D-01	1.176014D-02	1.638938D-03
9	A% 8< #	3.308508D-01	9.020359D-03	6.443809D-04
10	A% 9< #	2.246109D-01	5.638929D-03	-4.587449D-04
11	A% 10< #	1.497454D-01	7.585660D-04	-7.785948D-04
12	A% 11< #	-1.001064D-01	-5.850494D-03	-2.720692D-04
13	A% 12< #	7.238583D-02	9.091621D-03	-1.343023D-04
14	A% 13< #	3.656971D-02	3.186940D-03	-2.224522D-04
15	A% 14< #	1.556098D-02	2.724748D-03	6.333162D-05
16	A% 15< #	7.894183D-03	2.850796D-03	-1.199324D-04
17	A% 16< #	4.001717D-03	2.398060D-03	-1.694732D-04
18	A% 17< #	2.031836D-03	1.741652D-03	-4.675756D-05
19	A% 18< #	1.053600D-03	1.149941D-03	1.878128D-05
20	A% 19< #	5.441143D-04	7.137532D-04	2.708486D-05
21	A% 20< #	2.739832D-04	4.128896D-04	2.244383D-05
22	A% 21< #	1.237816D-04	2.046099D-04	1.363587D-05
23	A% 22< #	4.362809D-05	7.689458D-05	6.225050D-06
24	A% 23< #	1.394122D-07	6.909950D-07	1.201539D-06
25	A% 24< #	3.774479D-07	4.287884D-07	4.316194D-07

E = 2.42 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.694763D 01	1.001912D 01	1.019342D 01
2	A% 1< #	1.180758D 01	5.198472D-02	7.115033D-02
3	A% 2< #	9.320176D 01	-1.913748D 00	4.205204D 00
4	A% 3< #	-2.018090D 00	-2.162468D-01	4.666630D-03
5	A% 4< #	5.801122D 01	-2.695316D 00	2.321167D-01
6	A% 5< #	-1.069903D 00	-6.362245D-02	-2.045195D-03
7	A% 6< #	-2.778652D-01	5.195793D-03	-5.829827D-03
8	A% 7< #	1.086140D-01	8.721547D-03	-2.790650D-03
9	A% 8< #	1.633967D-01	-4.022191D-03	-9.035159D-04
10	A% 9< #	1.387262D-01	-6.504061D-03	7.742605D-04
11	A% 10< #	1.059602D-01	-8.902390D-03	1.366781D-03
12	A% 11< #	7.836727D-02	-1.183634D-02	6.927286D-04
13	A% 12< #	6.302583D-02	4.899879D-03	7.438439D-04
14	A% 13< #	3.501416D-02	3.211645D-03	1.522629D-04
15	A% 14< #	1.660570D-02	2.949627D-03	5.988921D-06
16	A% 15< #	8.190927D-03	2.872658D-03	-1.211670D-04
17	A% 16< #	4.150729D-03	2.418887D-03	-1.712169D-04
18	A% 17< #	2.106957D-03	1.758601D-03	-4.741117D-05
19	A% 18< #	1.090020D-03	1.162721D-03	1.877967D-05
20	A% 19< #	5.615464D-04	7.218656D-04	2.739748D-05
21	A% 20< #	2.819538D-04	4.175074D-04	2.276634D-05
22	A% 21< #	1.270289D-04	2.067922D-04	1.383260D-05
23	A% 22< #	4.466495D-05	7.766934D-05	6.296836D-06
24	A% 23< #	2.277008D-07	6.696300D-07	1.188086D-06
25	A% 24< #	3.485491D-07	4.089780D-07	4.261284D-07

E = 2.44 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A%	0< # 4.640372D 01	1.00C8903D 01	1.018397D 01
2	A%	1< # 1.303387D 01	2.375721D-01	7.639127D-02
3	A%	2< # 9.673190D 01	-2.189041D 00	4.200902D 00
4	A%	3< # -6.145710D-01	2.327440D-01	4.130973D-03
5	A%	4< # 5.826240D 01	2.707981D 00	2.274066D-01
6	A%	5< # -2.101616D 00	-7.908558D-02	-4.528057D-03
7	A%	6< # -8.293285D-01	-1.756205D-03	-1.634734D-02
8	A%	7< # -2.238092D-01	5.790339D-03	-7.142576D-03
9	A%	8< # -2.681038D-03	-1.651880D-02	-2.423389D-03
10	A%	9< # 5.326106D-02	-1.840839D-02	1.992926D-03
11	A%	10< # 6.215206D-02	-1.837091D-02	3.485198D-03
12	A%	11< # 5.652071D-02	-1.768979D-02	1.653656D-03
13	A%	12< # 5.346142D-02	8.013256D-04	1.617165D-03
14	A%	13< # 3.326289D-02	3.220946D-03	8.627178D-05
15	A%	14< # 1.747437D-02	3.159630D-03	-4.802427D-05
16	A%	15< # 8.492450D-03	2.894533D-03	-1.223971D-04
17	A%	16< # 4.302216D-03	2.439763D-03	-1.729637D-04
18	A%	17< # 2.183395D-03	1.775618D-03	-4.806985D-05
19	A%	18< # 1.127127D-03	1.175576D-03	1.877403D-05
20	A%	19< # 5.793388D-04	7.300322D-04	2.771028D-05
21	A%	20< # 2.901114D-04	4.221596D-04	2.309072D-05
22	A%	21< # 1.303692D-04	2.089939D-04	1.403099D-05
23	A%	22< # 4.574450D-05	7.845315D-05	6.369487D-06
24	A%	23< # 3.329114D-07	6.520333D-07	1.174792D-06
25	A%	24< # 3.247466D-07	3.903435D-07	4.206990D-07

E = 2.46 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A%	0< # 4.637569D 01	9.990363D 00	9.994396D 00
2	A%	1< # 1.415863D 01	4.001720D-01	6.002895D-02
3	A%	2< # 9.822885D 01	-2.411787D 00	4.122366D 00
4	A%	3< # 6.539597D-01	2.446183D-01	3.509940D-03
5	A%	4< # 8.270093D 01	2.672339D 00	2.188730D-01
6	A%	5< # -3.070249D 00	-9.343289D-02	-6.835375D-03
7	A%	6< # -1.345921D 00	-1.208219D-02	-2.613606D-02
8	A%	7< # -5.347583D-01	3.132442D-03	-1.118537D-02
9	A%	8< # -1.582166D-01	-2.80424D-02	-3.834145D-03
10	A%	9< # -2.700992D-02	-2.944062D-02	3.132157D-03
11	A%	10< # 2.080316D-02	-2.714542D-02	6.463438D-03
12	A%	11< # 3.582096D-02	-2.310427D-02	2.558845D-03
13	A%	12< # 6.427155D-02	-2.983141D-03	2.438824D-03
14	A%	13< # 3.146828D-02	3.215522D-03	2.796759D-05
15	A%	14< # 1.816247D-02	3.344592D-03	-9.594424D-05
16	A%	15< # 8.798766D-03	2.916417D-03	-1.236304D-04
17	A%	16< # 4.466182D-03	2.460685D-03	-1.747153D-04
18	A%	17< # 2.261157D-03	1.792704D-03	-4.873370D-05
19	A%	18< # 1.164923D-03	1.168508D-03	1.876445D-05
20	A%	19< # 5.974944D-04	7.32549D-04	2.802364D-05
21	A%	20< # 2.984576D-04	4.268473D-04	2.341713D-05
22	A%	21< # 1.338030D-04	2.112148D-04	1.423102D-05
23	A%	22< # 4.686765D-05	7.924698D-05	6.443014D-06
24	A%	23< # 4.552319D-07	6.322562D-07	1.161664D-06
25	A%	24< # 3.061092D-07	3.729041D-07	4.153337D-07

E = 2.48 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.399528D 01	9.753960D 00	9.661350D 00
2	A% 1< #	1.514703D 01	5.343770D-01	8.211085D-02
3	A% 2< #	9.791676D 01	-2.578298D 00	3.984725D 00
4	A% 3< #	1.739382D 00	2.519720D-01	2.645277D-03
5	A% 4< #	4.893460D 01	2.597481D 00	2.075261D-01
6	A% 5< #	-3.935993D 00	-1.061239D-01	-8.875216D-03
7	A% 6< #	-1.806391D 00	-1.943856D-02	-3.480246D-02
8	A% 7< #	-8.112994D-01	8.576523D-04	-1.475742D-02
9	A% 8< #	-2.966398D-01	-3.926499D-02	-5.079466D-03
10	A% 9< #	-9.863256D-02	-3.916211D-02	4.145715D-03
11	A% 10< #	-1.626549D-02	-3.487939D-02	7.221414D-03
12	A% 11< #	1.719849D-02	-2.786908D-02	3.370805D-03
13	A% 12< #	3.590225D-02	-6.301709D-03	3.174976D-03
14	A% 13< #	2.976295D-02	3.197378D-03	-2.055946D-05
15	A% 14< #	1.868596D-02	3.498570D-03	-1.360812D-04
16	A% 15< #	9.109892D-03	2.938308D-03	-1.248657D-04
17	A% 16< #	4.612632D-03	2.481653D-03	-1.764713D-04
18	A% 17< #	2.340245D-03	1.809856D-03	-4.940242D-05
19	A% 18< #	1.203412D-03	1.201514D-03	1.875116D-05
20	A% 19< #	6.160139D-04	7.465324D-04	2.833753D-05
21	A% 20< #	3.069929D-04	4.315697D-04	2.374543D-05
22	A% 21< #	1.373311D-04	2.134553D-04	1.443263D-05
23	A% 22< #	4.803451D-05	8.005048D-05	6.517422D-06
24	A% 23< #	5.948482D-07	6.283493D-07	1.148707D-06
25	A% 24< #	2.927047D-07	3.566765D-07	4.100350D-07

E = 2.50 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.2400000D 01	9.417390D 00	9.227437D-00
2	A% 1< #	1.598489D 01	6.382485D-01	8.294703D-02
3	A% 2< #	9.614651D 01	-2.691126D 00	3.805529D 00
4	A% 3< #	2.621555D 00	-2.553052D-01	2.160331D-03
5	A% 4< #	4.482439D 01	2.494348D 00	1.944361D-01
6	A% 5< #	-4.677515D-00	-1.168946D-01	-1.060241D-02
7	A% 6< #	-2.199464D 00	-2.564913D-02	-4.214514D-02
8	A% 7< #	-1.046592D 00	-9.849758D-04	-1.777700D-02
9	A% 8< #	-4.144392D-01	-4.806765D-02	-6.131254D-03
10	A% 9< #	-1.597271D-01	-4.735593D-02	-5.009286D-03
11	A% 10< #	-4.803577D-02	-4.140161D-02	8.717447D-03
12	A% 11< #	1.184281D-03	-3.188163D-02	4.069254D-03
13	A% 12< #	2.862524D-02	-9.080422D-03	3.807206D-03
14	A% 13< #	2.824295D-02	3.169195D-03	-5.863985D-05
15	A% 14< #	1.907396D-02	3.619825D-03	-1.678417D-04
16	A% 15< #	9.425854D-03	2.960213D-03	-1.260956D-04
17	A% 16< #	4.771572D-03	2.502665D-03	-1.782299D-04
18	A% 17< #	2.420665D-03	1.827075D-03	-5.007574D-05
19	A% 18< #	1.242596D-03	1.214596D-03	1.873398D-05
20	A% 19< #	6.348988D-04	7.548642D-04	-2.865169D-05
21	A% 20< #	3.157182D-04	4.363263D-04	2.407548D-05
22	A% 21< #	1.409535D-04	2.157144D-04	1.463581D-05
23	A% 22< #	4.924518D-05	8.086322D-05	6.592687D-06
24	A% 23< #	7.519438D-07	6.223626D-07	1.135929D-06
25	A% 24< #	2.846003D-07	3.416255D-07	4.048055D-07

E = 2.52 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.071134D 01	9.017514D 00	8.733445D 00
2	A% 1< #	1.667442D 01	7.144218D-01	8.231577D-02
3	A% 2< #	9.330779D 01	-2.756780D 00	3.601687D 00
4	A% 3< #	3.302857D 00	2.555531D-01	1.540747D-03
5	A% 4< #	4.062199D 01	2.373550D 00	1.805366D-01
6	A% 5< #	-5.289863D 00	-1.257489D-01	-1.200294D-02
7	A% 6< #	-2.522506D 00	-3.068100D-02	-4.813061D-02
8	A% 7< #	-1.239075D 00	-2.397736D-03	-2.023209D-02
9	A% 8< #	-5.107613D-01	-5.518307D-02	-6.985045D-03
10	A% 9< #	-2.097916D-01	-5.399207D-02	5.717716D-03
11	A% 10< #	-7.420059D-02	-4.668863D-02	9.942851D-03
12	A% 11< #	-1.204823D-02	-3.513053D-02	4.648200D-03
13	A% 12< #	2.255118D-02	-1.131033D-02	4.331260D-03
14	A% 13< #	2.696524D-02	3.134029D-03	-8.646364D-05
15	A% 14< #	1.936103D-02	3.709939D-03	-1.915753D-04
16	A% 15< #	9.746640D-03	2.982071D-03	-1.273537D-04
17	A% 16< #	4.933010D-03	2.523721D-03	-1.799962D-04
18	A% 17< #	2.502420D-03	1.844363D-03	-5.075440D-05
19	A% 18< #	1.282478D-03	1.227754D-03	1.871282D-05
20	A% 19< #	6.541518D-04	7.632517D-04	2.896623D-05
21	A% 20< #	3.246350D-04	4.411182D-04	2.440747D-05
22	A% 21< #	1.446716D-04	2.179933D-04	1.484063D-05
23	A% 22< #	5.050075D-05	8.168652D-05	6.668877D-06
24	A% 23< #	9.267112D-07	6.203471D-07	1.123336D-06
25	A% 24< #	2.818631D-07	3.279436D-07	3.996486D-07

E = 2.54 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.902363D 01	8.585749D 00	8.213209D 00
2	A% 1< #	1.722991D 01	7.652209D-01	8.107850D-02
3	A% 2< #	8.976602D 01	-2.763890D 00	3.367055D 00
4	A% 3< #	3.8022238D 00	2.531662D-01	9.301350D-04
5	A% 4< #	3.651526D 01	2.244157D 00	1.665857D-01
6	A% 5< #	-5.779616D 00	-1.327578D-01	-1.310777D-02
7	A% 6< #	-2.779550D 00	-3.460917D-02	-5.284453D-02
8	A% 7< #	-1.391226D 00	-3.411522D-03	-2.215908D-02
9	A% 8< #	-5.868064D-01	-6.072297D-02	-7.653967D-03
10	A% 9< #	-2.493963D-01	-5.917628D-02	6.280715D-03
11	A% 10< #	-9.501308D-02	-5.082592D-02	1.091468D-02
12	A% 11< #	-2.260936D-02	-3.767033D-02	5.114460D-03
13	A% 12< #	1.765704D-02	-1.303095D-02	4.752208D-03
14	A% 13< #	2.594930D-02	3.094309D-03	-1.054245D-04
15	A% 14< #	1.958015D-02	3.772491D-03	-2.080801D-04
16	A% 15< #	1.007232D-02	3.0C3992D-03	-1.285950D-04
17	A% 16< #	5.096951D-03	2.544820D-03	-1.817655D-04
18	A% 17< #	2.585514D-03	1.861716D-03	-5.143759D-05
19	A% 18< #	1.323058D-03	1.240986D-03	1.868787D-05
20	A% 19< #	6.737729D-04	7.716933D-04	2.928116D-05
21	A% 20< #	3.337435D-04	4.459441D-04	2.474125D-05
22	A% 21< #	1.484854D-04	2.202913D-04	1.504702D-05
23	A% 22< #	5.180069D-05	8.251897D-05	6.745918D-06
24	A% 23< #	1.119308D-06	6.223482D-07	1.110934D-06
25	A% 24< #	2.845572D-07	3.154707D-07	3.945650D-07

E = 2.56 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.740233D 01	8.146239D 00	7.652215D 00
2	A% 1< #	1.767014D 01	7.950237D-01	7.934954D-02
3	A% 2< #	8.562517D 01	-2.761119D 00	3.172167D 00
4	A% 3< #	4.144141D 00	2.491941D-01	3.863771D-04
5	A% 4< #	3.262727D 01	2.113001D 00	1.531240D-01
6	A% 5< #	-6.160855D 00	-1.362589D-01	-1.394959D-02
7	A% 6< #	-2.977086D 00	-3.745229D-02	-5.638139D-02
8	A% 7< #	-1.507342D 00	-4.087641D-03	-2.362176D-02
9	A% 8< #	-6.445089D-01	-6.493153D-02	-8.151045D-03
10	A% 9< #	-2.797125D-01	-6.308648D-02	6.714708D-03
11	A% 10< #	-1.110458D-01	-5.395461D-02	1.166179D-02
12	A% 11< #	-3.077743D-02	-3.958943D-02	5.480064D-03
13	A% 12< #	1.363898D-02	-1.430430D-02	5.081206D-03
14	A% 13< #	2.518830D-02	3.053511D-03	-1.168283D-04
15	A% 14< #	1.975818D-02	3.812764D-03	-2.184491D-04
16	A% 15< #	1.040181D-02	3.026400D-03	-1.296859D-04
17	A% 16< #	5.263032D-03	2.566338D-03	-1.834022D-04
18	A% 17< #	2.669746D-03	1.879151D-03	-5.213215D-05
19	A% 18< #	1.364312D-03	1.254274D-03	1.865242D-05
20	A% 19< #	6.937663D-04	7.801923D-04	2.959646D-05
21	A% 20< #	3.430465D-04	4.508069D-04	2.507698D-05
22	A% 21< #	1.523965D-04	2.226101D-04	1.525510D-05
23	A% 22< #	5.314634D-05	8.336224D-05	6.823926D-06
24	A% 23< #	1.329933D-06	6.284177D-07	1.098729D-06
25	A% 24< #	2.927489D-07	3.042847D-07	3.895582D-07

E = 2.58 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.588750D 01	7.715931D 00	7.187821D 00
2	A% 1< #	1.801621D 01	8.081356D-01	7.715896D-02
3	A% 2< #	8.171878D 01	-2.756326D 00	2.964169D 00
4	A% 3< #	4.358288D 00	2.439178D-01	-1.241864D-04
5	A% 4< #	2.902761D 01	1.984984D 00	1.404239D-01
6	A% 5< #	-6.449198D 00	-1.423503D-01	-1.456855D-02
7	A% 6< #	-3.125716D 00	-3.958030D-02	-5.902711D-02
8	A% 7< #	-1.593307D 00	-4.473074D-03	-2.469356D-02
9	A% 8< #	-6.871597D-01	-6.793714D-02	-8.520493D-03
10	A% 9< #	-3.020137D-01	-6.592846D-02	7.039487D-03
11	A% 10< #	-1.229323D-01	-5.623730D-02	1.221916D-02
12	A% 11< #	-3.685431D-02	-4.098911D-02	5.759508D-03
13	A% 12< #	1.097507D-02	-1.520553D-02	5.332455D-03
14	A% 13< #	2.467002D-02	3.010500D-03	-1.220589D-04
15	A% 14< #	1.992142D-02	3.833604D-03	-2.239384D-04
16	A% 15< #	1.073724D-02	3.048357D-03	-1.309294D-04
17	A% 16< #	5.431990D-03	2.587537D-03	-1.851788D-04
18	A% 17< #	2.755523D-03	1.896644D-03	-5.282480D-05
19	A% 18< #	1.406297D-03	1.267661D-03	1.861987D-05
20	A% 19< #	7.141314D-04	7.887456D-04	2.991212D-05
21	A% 20< #	3.525427D-04	4.557029D-04	2.541447D-05
22	A% 21< #	1.564042D-04	2.249473D-04	1.546470D-05
23	A% 22< #	5.453722D-05	8.421503D-05	6.902801D-06
24	A% 23< #	1.558751D-06	6.386011D-07	1.086726D-06
25	A% 24< #	3.065012D-07	2.944031D-07	3.846296D-07

E = 2.60 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.449984D 01	7.305634D 00	6.710650D 00
2	A% 1< #	1.828740D 01	8.083845D-01	7.490822D-02
3	A% 2< #	7.761335D 01	-2.716127D 00	2.767429D 00
4	A% 3< #	4.470037D 00	2.379612D-01	-6.046335D-04
5	A% 4< #	2.574592D 01	1.863114D 00	1.286838D-01
6	A% 5< #	-6.661534D 00	-1.453649D-01	-1.500815D-02
7	A% 6< #	-3.233547D 00	-4.103908D-02	-6.090327D-02
8	A% 7< #	-1.654372D 00	-4.630115D-03	-2.544714D-02
9	A% 8< #	-7.172233D-01	-7.000416D-02	-8.779141D-03
10	A% 9< #	-3.177528D-01	-6.790358D-02	7.274878D-03
11	A% 10< #	-1.314082D-01	-5.783401D-02	1.262148D-02
12	A% 11< #	-4.120695D-02	-4.196825D-02	5.968356D-03
13	A% 12< #	8.909511D-03	-1.580461D-02	5.519577D-03
14	A% 13< #	2.436410D-02	2.967623D-03	-1.225238D-04
15	A% 14< #	2.008460D-02	3.839927D-03	-2.255531D-04
16	A% 15< #	1.107760D-02	3.070334D-03	-1.321680D-04
17	A% 16< #	5.603485D-03	2.608785D-03	-1.869593D-04
18	A% 17< #	2.842656D-03	1.914209D-03	-5.352260D-05
19	A% 18< #	1.448994D-03	1.281127D-03	1.658328D-05
20	A% 19< #	7.348728D-04	7.973572D-04	3.022821D-05
21	A% 20< #	3.622359D-04	4.606362D-04	2.575391D-05
22	A% 21< #	-1.605106D-04	2.273054D-04	1.567598D-05
23	A% 22< #	5.597424D-05	8.507827D-05	6.982610D-06
24	A% 23< #	1.805947D-06	6.529463D-07	1.074930D-06
25	A% 24< #	3.258779D-07	2.858420D-07	3.797801D-07

E = 2.70 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.947154D 01	5.675579D 00	4.833980D 00
2	A% 1< #	-1.901516D-01	-7.075867D-01	-6.278220D-02
3	A% 2< #	5.973337D 01	-2.427251D 00	1.994084D 00
4	A% 3< #	4.168246D 00	-2.075660D-01	-2.286443D-03
5	A% 4< #	1.376575D 01	1.378391D 00	8.457830D-02
6	A% 5< #	-7.036096D 00	-1.510083D-01	-1.560024D-02
7	A% 6< #	-3.404952D 00	-4.237531D-02	-6.345603D-02
8	A% 7< #	-1.735371D 00	-3.444620D-03	-2.540209D-02
9	A% 8< #	-7.536391D-01	-7.207728D-02	-9.091944D-03
10	A% 9< #	-3.366431D-01	-7.014170D-02	7.652811D-03
11	A% 10< #	-1.423759D-01	-5.977988D-02	1.324666D-02
12	A% 11< #	-4.695539D-02	-4.317813D-02	6.369355D-03
13	A% 12< #	6.230792D-03	-1.615161D-02	5.874635D-03
14	A% 13< #	2.507538D-02	2.771466D-03	-8.586475D-05
15	A% 14< #	2.118354D-02	3.7549100D-03	-2.023995D-04
16	A% 15< #	1.285339D-02	3.180399D-03	-1.384249D-04
17	A% 16< #	6.499108D-03	2.715734D-03	-1.959370D-04
18	A% 17< #	-3.298731D-03	2.003070D-03	-5.708733D-05
19	A% 18< #	1.673182D-03	1.349609D-03	1.834066D-05
20	A% 19< #	8.442462D-04	8.412543D-04	3.181298D-05
21	A% 20< #	4.136661D-04	4.858338D-04	2.747805D-05
22	A% 21< #	1.825322D-04	2.393977D-04	1.675659D-05
23	A% 22< #	6.386018D-05	8.954977D-05	7.395565D-06
24	A% 23< #	3.323210D-06	7.886979D-07	1.019321D-06
25	A% 24< #	5.092786D-07	2.634881D-07	3.568489D-07

	E = 2.80 eV, j = 3	j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.680344D 01	4.669447D 00	3.670730D 00
2	A% 1< #	1.938878D-01	-5.599913D-01	-5.302116D-02
3	A% 2< #	4.737604D 01	-2.152075D 00	1.515171D 00
4	A% 3< #	3.379069D 00	-1.841057D-01	-3.441228D-03
5	A% 4< #	6.965061D 00	1.075631D 00	5.875423D-02
6	A% 5< #	-6.549300D 00	-1.507585D-01	-1.517566D-02
7	A% 6< #	-3.330293D 00	-3.984868D-02	-6.159168D-02
8	A% 7< #	-1.666272D 00	-1.068429D-03	-2.554926D-02
9	A% 8< #	-7.130420D-01	-6.893721D-02	-8.777228D-03
10	A% 9< #	-3.144647D-01	-6.755510D-02	-7.505371D-03
11	A% 10< #	-1.313010D-01	-5.792204D-02	1.296434D-02
12	A% 11< #	-4.126416D-02	-4.208137D-02	6.335559D-03
13	A% 12< #	9.364808D-03	-1.484681D-02	5.838173D-03
14	A% 13< #	2.778498D-02	2.606251D-03	-2.975968D-05
15	A% 14< #	2.292558D-02	3.608472D-03	-1.630926D-04
16	A% 15< #	1.475329D-02	3.290845D-03	-1.447134D-04
17	A% 16< #	7.458926D-03	2.823922D-03	-2.050236D-04
18	A% 17< #	3.789178D-03	2.093695D-03	-6.077667D-05
19	A% 18< #	1.915447D-03	1.420045D-03	1.799728D-05
20	A% 19< #	9.632137D-04	8.865801D-04	3.340436D-05
21	A% 20< #	4.701337D-04	5.119423D-04	2.924768D-05
22	A% 21< #	2.070928D-04	2.520051D-04	1.787801D-05
23	A% 22< #	7.294511D-05	9.428626D-05	7.832215D-06
24	A% 23< #	5.324468D-06	1.035254D-06	9.698288D-07
25	A% 24< #	8.423521D-07	2.767160D-07	3.362938D-07

	E = 2.90 eV, j = 3	j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.6544696D 01	4.658553D 00	2.943173D 00
2	A% 1< #	1.975569D-01	-4.221089D-01	-4.598857D-02
3	A% 2< #	3.913039D 01	-1.940236D 00	1.216008D 00
4	A% 3< #	2.584014D 00	-1.680974D-01	-4.126543D-03
5	A% 4< #	2.912647D 00	8.870831D-01	4.320406D-02
6	A% 5< #	-6.781560D 00	-1.498054D-01	-1.459829D-02
7	A% 6< #	-3.213617D 00	-3.677739D-02	-5.910783D-02
8	A% 7< #	-1.571331D 00	1.412943D-03	=2.445529D-02
9	A% 8< #	-6.584098D-01	-6.518856D-02	-8.381176D-03
10	A% 9< #	-2.842229D-01	-6.440596D-02	-7.276287D-03
11	A% 10< #	-1.154914D-01	-5.563148D-02	1.254507D-02
12	A% 11< #	-3.293648D-02	-4.073200D-02	-6.224762D-03
13	A% 12< #	1.415150D-02	-1.336986D-02	5.735011D-03
14	A% 13< #	3.130220D-02	-2.452667D-03	-2.524059D-05
15	A% 14< #	2.522525D-02	3.461893D-03	-1.249192D-04
16	A% 15< #	1.678007D-02	3.401771D-03	-1.510745D-04
17	A% 16< #	8.483706D-03	2.933410D-03	-2.142157D-04
18	A% 17< #	-4.314463D-03	2.186127D-03	-6.459148D-05
19	A% 18< #	2.176086D-03	1.492470D-03	1.755204D-05
20	A% 19< #	1.091967D-03	9.333642D-04	-3.500168D-05
21	A% 20< #	5.317579D-04	5.389811D-04	3.106239D-05
22	A% 21< #	2.342650D-04	2.651438D-04	-1.904075D-05
23	A% 22< #	8.327095D-05	9.929951D-05	8.293484D-06
24	A% 23< #	7.829360D-06	1.397957D-06	9.271448D-07
25	A% 24< #	1.332262D-06	3.275130D-07	3.183846D-07

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E = 3.00 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.480411D 01	3.681288D 00	2.467253D 00
2	A% 1< #	2.018417D 01	3.016489D-01	-4.068027D-02
3	A% 2< #	3.350957D 01	-1.782852D 00	1.020682D 00
4	A% 3< #	1.880813D 00	1.574835D-01	-4.730693D-03
5	A% 4< #	3.103378D-01	7.656293D-01	3.332771D-02
6	A% 5< #	-6.633130D 00	-1.495263D-01	=1.410642D-02
7	A% 6< #	-3.107576D 00	-3.393784D-02	-5.694832D-02
8	A% 7< #	-1.482393D 00	3.758557D-03	-2.350313D-02
9	A% 8< #	-6.060618D-01	-6.194976D-02	-8.035467D-03
10	A% 9< #	-2.546324D-01	-6.171908D-02	7.079999D-03
11	A% 10< #	-9.968944D-02	-5.370376D-02	1.218929D-02
12	A% 11< #	-2.442577D-02	-3.561762D-02	-6.132275D-03
13	A% 12< #	1.933480D-02	-1.208074D-02	5.651131D-03
14	A% 13< #	3.520954D-02	2.313939D-03	-7.499938D-05
15	A% 14< #	2.796793D-02	3.323146D-03	-9.057419D-05
16	A% 15< #	1.893669D-02	3.512832D-03	=1.574235D-04
17	A% 16< #	9.575576D-03	3.644183D-03	-2.235689D-04
18	A% 17< #	4.875716D-03	2.280424D-03	-6.856253D-05
19	A% 18< #	2.455756D-03	1.566942D-03	1.699382D-05
20	A% 19< #	1.230880D-03	9.816416D-04	-3.660454D-05
21	A% 20< #	5.987501D-04	5.669755D-04	3.292529D-05
22	A% 21< #	2.641587D-04	2.788345D-04	-2.024154D-05
23	A% 22< #	9.488894D-05	1.045979D-04	8.777384D-06
24	A% 23< #	1.085637D-05	1.881847D-06	-8.919177D-07
25	A% 24< #	1.985759D-06	4.177553D-07	3.033717D-07

E = 3.40 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.499404D 01	3.178216D 00	1.613582D 00
2	A% 1< #	2.239701D 01	-6.189133D-02	2.749202D-02
3	A% 2< #	2.316201D 01	-1.456594D 00	6.728571D-01
4	A% 3< #	-1.140067D-01	-1.419266D-01	-7.083009D-03
5	A% 4< #	-4.661255D 00	5.674703D-01	1.588867D-02
6	A% 5< #	-6.395871D 00	-1.565168D-01	-1.330624D-02
7	A% 6< #	-2.870550D 00	-2.662537D-02	-5.276308D-02
8	A% 7< #	-1.234946D 00	1.208628D-02	-2.155230D-02
9	A% 8< #	-4.463850D-01	-5.496177D-02	-7.308969D-03
10	A% 9< #	-1.585733D-01	-5.653731D-02	6.791761D-03
11	A% 10< #	-4.563945D-02	-5.051162D-02	1.162393D-02
12	A% 11< #	6.229458D-03	-3.779573D-02	6.132070D-03
13	A% 12< #	4.084734D-02	-8.950260D-03	5.653592D-03
14	A% 13< #	5.267636D-02	1.691158D-03	-2.361209D-04
15	A% 14< #	4.209911D-02	2.790520D-03	1.674824D-05
16	A% 15< #	2.884966D-02	3.961560D-03	-1.836645D-04
17	A% 16< #	1.460628D-02	3.500503D-03	-2.617561D-04
18	A% 17< #	7.476964D-03	2.675867D-03	-8.561107D-05
19	A% 18< #	3.764509D-03	1.885260D-03	1.373270D-05
20	A% 19< #	1.888609D-03	1.189857D-03	-4.303153D-05
21	A% 20< #	9.210496D-04	6.887104D-04	4.079893D-05
22	A% 21< #	4.115825D-04	3.392408D-04	-2.547908D-05
23	A% 22< #	1.547981D-04	1.287911D-04	1.098693D-05
24	A% 23< #	2.852582D-05	5.121917D-06	8.376401D-07
25	A% 24< #	6.359652D-06	1.207639D-06	-2.769949D-07

E = 3.80 eV, j = 3

j' = j

j' = j + 2

j' = j + 4

1	A% 0< #	2.654215D 01	3.259728D 00	1.330483D 00
2	A% 1< #	2.494546D 01	-3.432025D-01	-1.785585D-02
3	A% 2< #	2.034548D 01	-1.335629D 00	5.617166D-01
4	A% 3< #	-1.360109D 00	-1.405218D-01	-9.827784D-03
5	A% 4< #	-7.001484D 00	5.377549D-01	9.962775D-03
6	A% 5< #	-6.500376D-00	-1.701290D-01	-1.321022D-02
7	A% 6< #	-2.802112D 00	-2.333459D-02	-5.276069D-02
8	A% 7< #	-1.083883D-00	-1.811874D-02	-2.125383D-02
9	A% 8< #	-3.268320D-01	-5.405160D-02	-7.191036D-03
10	A% 9< #	-7.922857D-02	-5.709213D-02	-6.985260D-03
11	A%10< #	2.211968D-03	-5.195433D-02	1.190618D-02
12	A%11< #	3.548429D-02	-3.856076D-02	-6.509665D-03
13	A%12< #	6.456605D-02	-7.961890D-03	6.011568D-03
14	A%13< #	7.266552D-02	-9.027037D-04	-3.733870D-04
15	A%14< #	6.033145D-02	2.168088D-03	1.079709D-04
16	A%15< #	4.090655D-02	-4.426349D-03	-2.092820D-04
17	A%16< #	2.073704D-02	3.980699D-03	-3.015251D-04
18	A%17< #	1.067296D-02	-3.103040D-03	-1.047213D-04
19	A%18< #	5.390686D-03	2.237550D-03	8.710914D-06
20	A%19< #	2.717859D-03	-1.423228D-03	-4.944517D-05
21	A%20< #	1.335266D-03	8.268007D-04	4.935531D-05
22	A%21< #	6.064808D-04	-4.092465D-04	-3.139919D-05
23	A%22< #	2.377758D-04	1.581309D-04	1.364310D-05
24	A%23< #	5.582009D-05	-1.064705D-05	-9.475851D-07
25	A%24< #	1.381421D-05	2.757322D-06	3.144493D-07

E = 4.40 eV, j = 3

j' = j

j' = j + 2

j' = j + 4

1	A% 0< #	2.940822D 01	-7.32653D 00	1.197762D 00
2	A% 1< #	2.882451D 01	-7.375926D-01	1.502474D-03
3	A% 2< #	2.087528D 01	-1.264642D 00	5.166008D-01
4	A% 3< #	-2.508111D 00	1.366481D-01	-1.463814D-02
5	A% 4< #	-9.369010D 00	6.011477D-01	6.614053D-03
6	A% 5< #	-6.871188D 00	-1.972047D-01	-1.421512D-02
7	A% 6< #	-2.780032D 00	-2.311092D-02	-5.624350D-02
8	A% 7< #	-8.898638D-01	2.890176D-02	-2.217442D-02
9	A% 8< #	-1.486390D-01	-5.856085D-02	-7.508426D-03
10	A% 9< #	4.719543D-02	-6.353115D-02	7.694207D-03
11	A%10< #	8.221554D-02	-5.865138D-02	1.306192D-02
12	A%11< #	8.707530D-02	-4.191700D-02	7.439446D-03
13	A%12< #	1.087138D-01	-8.671743D-03	6.896550D-03
14	A%13< #	1.081892D-01	-6.554601D-04	5.768508D-04
15	A%14< #	9.475573D-02	9.024926D-04	2.458593D-04
16	A%15< #	6.319297D-02	5.162614D-03	-2.498188D-04
17	A%16< #	3.207807D-02	4.753329D-03	-3.640620D-04
18	A%17< #	1.662911D-02	3.806918D-03	-1.373495D-04
19	A%18< #	8.454234D-03	2.832445D-03	-2.277428D-06
20	A%19< #	4.300663D-03	1.822616D-03	5.892481D-05
21	A%20< #	2.139817D-03	1.066309D-03	6.342714D-05
22	A%21< #	9.943747D-04	5.335343D-04	4.168528D-05
23	A%22< #	4.092201D-04	2.126417D-04	1.6852750D-05
24	A%23< #	1.166152D-04	2.371140D-05	1.484182D-06
25	A%24< #	3.143083D-05	6.689351D-06	5.150965D-07

E = 5.00 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.241833D 01	4.395250D 00	1.186845D 00
2	A% 1< #	3.255789D 01	-1.155699D 00	-2.088833D-02
3	A% 2< #	2.402029D 01	-1.202976D 00	5.305139D-01
4	A% 3< #	-3.037290D 00	1.153605D-01	-2.050854D-02
5	A% 4< #	-1.123902D 01	7.325742D-01	5.535725D-03
6	A% 5< #	-7.265200D 00	-2.294267D-01	-1.556012D-02
7	A% 6< #	-2.718160D 00	-2.606038D-02	-6.168217D-02
8	A% 7< #	-6.522555D-01	3.875390D-02	-2.373163D-02
9	A% 8< #	7.071539D-02	-6.745173D-02	-8.093087D-03
10	A% 9< #	2.054741D-01	-7.423339D-02	8.637321D-03
11	A% 10< #	1.849354D-01	-6.883992D-02	1.464696D-02
12	A% 11< #	1.551482D-01	-4.673257D-02	-8.597801D-03
13	A% 12< #	1.666827D-01	-1.124273D-02	8.018694D-03
14	A% 13< #	1.516780D-01	-2.703709D-03	7.935827D-04
15	A% 14< #	1.377294D-01	-8.675943D-04	4.020714D-04
16	A% 15< #	9.073699D-02	5.948744D-03	-2.902794D-04
17	A% 16< #	4.608041D-02	5.589793D-03	-4.298950D-04
18	A% 17< #	2.403016D-02	4.589581D-03	-1.748832D-04
19	A% 18< #	1.229932D-02	3.510282D-03	-1.758797D-05
20	A% 19< #	6.310826D-03	2.283826D-03	6.809728D-05
21	A% 20< #	3.176568D-03	1.346608D-03	7.893571D-05
22	A% 21< #	1.504370D-03	6.824164D-04	5.336900D-05
23	A% 22< #	6.412521D-04	2.807173D-04	2.466317D-05
24	A% 23< #	2.032798D-04	4.306460D-05	2.538964D-06
25	A% 24< #	5.751410D-05	1.275727D-05	9.171434D-07

E = 6.00 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.745411D 01	5.730317D 00	1.270053D 00
2	A% 1< #	3.843310D 01	-1.970351D 00	-7.705997D-02
3	A% 2< #	3.239109D 01	-5.651300D-01	6.045403D-01
4	A% 3< #	-2.565770D 00	8.289929D-03	-3.628200D-02
5	A% 4< #	-1.364620D 01	1.067170D 00	6.298858D-03
6	A% 5< #	-7.670731D 00	-2.912333D-01	-1.814715D-02
7	A% 6< #	-2.342613D 00	-3.747315D-02	-7.285694D-02
8	A% 7< #	-5.135776D-02	5.533322D-02	-2.678099D-02
9	A% 8< #	5.260882D-01	-8.943065D-02	-9.358644D-03
10	A% 9< #	5.730065D-01	-9.916658D-02	1.045743D-02
11	A% 10< #	4.264242D-01	-9.166815D-02	1.776824D-02
12	A% 11< #	3.176513D-01	-5.675848D-02	1.080954D-02
13	A% 12< #	3.004361D-01	-1.889929D-02	1.023304D-02
14	A% 13< #	2.455401D-01	-7.150670D-03	1.199897D-03
15	A% 14< #	2.290389D-01	-5.043218D-03	7.204832D-04
16	A% 15< #	1.489241D-01	7.408346D-03	-3.570291D-04
17	A% 16< #	7.553378D-02	7.138463D-03	-5.463106D-04
18	A% 17< #	3.969360D-02	6.078291D-03	-2.484424D-04
19	A% 18< #	2.052072D-02	4.831651D-03	-5.314215D-05
20	A% 19< #	1.066085D-02	3.196290D-03	8.237124D-05
21	A% 20< #	5.451666D-03	1.909351D-03	1.078542D-04
22	A% 21< #	2.644025D-03	9.888047D-04	7.663353D-05
23	A% 22< #	1.173001D-03	4.267010D-04	3.735680D-05
24	A% 23< #	4.102457D-04	9.066702D-05	5.626205D-06
25	A% 24< #	1.216360D-04	2.812654D-05	2.103937D-06

E = 7.00 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.247489D 01	7.246212D 00	1.611480D 00
2	A% 1< #	4.414805D 01	-2.96516CE 00	-1.608404D-01
3	A% 2< #	4.329380D 01	-4.089417D-01	7.204019D-01
4	A% 3< #	-2.100958D-01	-2.237612D-01	-2.134290D-02
5	A% 4< #	-1.509745D 01	1.534423D 00	9.768021D-03
6	A% 5< #	-7.547647D 00	-3.617481D-01	-2.079799D-02
7	A% 6< #	-1.481541D 00	-5.649490D-02	-8.548769D-02
8	A% 7< #	8.895431D-01	7.196023D-02	-2.988382D-02
9	A% 8< #	1.339342D 00	-1.185380D-01	-8.082750D-02
10	A% 9< #	1.100501D 00	-1.308869D-01	-1.241334D-02
11	A% 10< #	7.748343D-01	-1.201835D-01	2.120674D-02
12	A% 11< #	5.541405D-01	-8.831534D-02	1.321525D-02
13	A% 12< #	4.875395D-01	-3.013196D-02	1.276850D-02
14	A% 13< #	3.711432D-01	-1.267465D-02	1.6668738D-03
15	A% 14< #	3.461095D-01	-1.075196D-02	3.123095D-03
16	A% 15< #	2.233636D-01	9.108547D-03	-4.212966D-04
17	A% 16< #	1.128978D-01	8.893323D-03	-6.705464D-04
18	A% 17< #	5.965462D-02	7.806047D-03	-3.359601D-04
19	A% 18< #	3.109429D-02	6.400330D-03	-1.016787D-04
20	A% 19< #	1.631561D-02	4.295341D-03	9.500122D-05
21	A% 20< #	8.446996D-03	2.597347D-03	1.404843D-04
22	A% 21< #	4.167284D-03	1.372225D-03	1.045169D-04
23	A% 22< #	1.898233D-03	6.161291D-04	2.877402D-05
24	A% 23< #	7.012792D-04	1.590632D-04	1.086363D-05
25	A% 24< #	2.137244D-04	5.066409D-05	4.017356D-06

E = 8.00 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.751727D 01	8.662788D 00	8.584412D 00
2	A% 1< #	5.011822D 01	-4.242302D 00	-2.745220D-01
3	A% 2< #	5.595405D 01	5.813189D-01	8.678038D-01
4	A% 3< #	4.435966D 00	-6.068211D-01	-7.211982D-02
5	A% 4< #	-1.538034D 01	2.127442D 00	1.635331D-02
6	A% 5< #	-6.755765D 00	-4.402300D-01	-2.320510D-02
7	A% 6< #	-2.795576D-02	-8.231546D-02	-9.895741D-02
8	A% 7< #	2.229207D 00	8.885305D-02	-2.279664D-02
9	A% 8< #	2.367578D 00	-1.527424D-01	-1.245363D-02
10	A% 9< #	1.812098D 00	-1.697395D-01	3.438790D-02
11	A% 10< #	1.245739D 00	-1.523184D-01	2.477749D-02
12	A% 11< #	8.751347D-01	-8.028207D-02	1.569698D-02
13	A% 12< #	7.334303D-01	-4.406169D-02	1.555644D-02
14	A% 13< #	5.335667D-01	-1.832120D-02	2.201400D-03
15	A% 14< #	4.901430D-01	-1.781587D-02	1.618056D-03
16	A% 15< #	3.151284D-01	1.112138D-02	-4.807405D-04
17	A% 16< #	1.584497D-01	1.086734D-02	-8.019810D-04
18	A% 17< #	8.404269D-02	9.780190D-03	-4.377768D-04
19	A% 18< #	4.409673D-02	8.222149D-03	-1.6377760D-04
20	A% 19< #	2.332366D-02	5.586627D-03	1.055774D-04
21	A% 20< #	1.219362D-02	3.415376D-03	1.766850D-04
22	A% 21< #	6.053820D-03	1.826536D-03	1.373004D-04
23	A% 22< #	2.828198D-03	8.515761D-04	7.4664920D-05
24	A% 23< #	1.061829D-03	2.497369D-04	1.760354D-05
25	A% 24< #	3.357643D-04	8.092128D-05	6.732423D-06

E = 9.00 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.263084D 01	1.052733D 01	1.777634D 00
2	A% 1< #	5.671386D 01	-5.763086D 00	-4.103363D-01
3	A% 2< #	6.986964D 01	2.065128D 00	1.043795D 00
4	A% 3< #	1.162993D 01	-1.150697D 00	-9.651212D-02
5	A% 4< #	-1.428167D 01	2.835170D 00	2.667411D-02
6	A% 5< #	-5.212894D 00	-5.257240D-01	-2.457857D-02
7	A% 6< #	2.094414D 00	-1.138178D-01	-1.129026D-01
8	A% 7< #	4.004975D 00	1.064597D-01	-3.635733D-02
9	A% 8< #	3.695565D 00	-1.895363D-01	-1.422649D-02
10	A% 9< #	2.723924D 00	-2.046573D-01	1.629818D-02
11	A% 10< #	1.850042D 00	-1.857342D-01	2.834730D-02
12	A% 11< #	1.288381D 00	-9.134598D-02	1.815736D-02
13	A% 12< #	1.042127D 00	-5.957803D-02	1.854676D-02
14	A% 13< #	7.371058D-01	-2.497725D-02	2.794209D-03
15	A% 14< #	6.621611D-01	-2.587655D-02	2.208380D-03
16	A% 15< #	4.253658D-01	1.353483D-02	-5.329304D-04
17	A% 16< #	2.124670D-01	1.307643D-02	-5.397016D-04
18	A% 17< #	1.129771D-01	1.200895D-02	-5.538222D-04
19	A% 18< #	5.959501D-02	1.030291D-02	-2.357946D-04
20	A% 19< #	3.172575D-02	7.075186D-03	1.138272D-04
21	A% 20< #	1.671720D-02	4.367380D-03	2.163317D-04
22	A% 21< #	8.439084D-03	2.364725D-03	1.740365D-04
23	A% 22< #	3.971963D-03	1.135117D-03	9.820247D-05
24	A% 23< #	1.556281D-03	3.638826D-04	2.686067D-05
25	A% 24< #	4.893557D-04	1.193423D-04	1.030921D-05

E = 10.00 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.784940D 01	1.218610D 01	1.984809D 00
2	A% 1< #	6.419419D 01	-7.546363D 00	-5.906748D-01
3	A% 2< #	8.463524D 01	4.043810D 00	1.245099D 00
4	A% 3< #	2.150586D 01	-1.652156D 00	-1.243322D-01
5	A% 4< #	-1.162553D 01	3.640911D 00	4.121502D-02
6	A% 5< #	-2.867320D 00	-6.167913D-01	-2.563801D-02
7	A% 6< #	4.948423D 00	-1.453893D-01	-1.270560D-01
8	A% 7< #	6.243804D 00	1.252095D-01	-3.755268D-02
9	A% 8< #	5.340603D 00	-2.261444D-01	-1.614609D-02
10	A% 9< #	3.847931D 00	-2.408405D-01	1.805948D-02
11	A% 10< #	2.595676D 00	-2.178474D-01	3.179963D-02
12	A% 11< #	1.799826D 00	-1.001051D-01	2.050930D-02
13	A% 12< #	1.416689D 00	-7.539798D-02	2.169558D-02
14	A% 13< #	9.854508D-01	-3.030158D-02	3.444054D-03
15	A% 14< #	8.630870D-01	-3.443605D-02	2.895246D-03
16	A% 15< #	5.553223D-01	1.645195D-02	-5.748696D-04
17	A% 16< #	2.752510D-01	1.553852D-02	-1.083161D-03
18	A% 17< #	1.465833D-01	1.450123D-02	-8.843021D-04
19	A% 18< #	7.765628D-02	1.264852D-02	-3.302029D-04
20	A% 19< #	4.156216D-02	8.766021D-03	1.194141D-04
21	A% 20< #	2.204081D-02	5.457061D-03	2.593444D-04
22	A% 21< #	1.121693D-02	3.019547D-03	2.165890D-04
23	A% 22< #	5.337029D-03	1.468468D-03	1.266936D-04
24	A% 23< #	2.128265D-03	5.024885D-04	3.842305D-05
25	A% 24< #	6.758224D-04	1.662949D-04	1.479752D-05

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E = 0.20 eV, j = 4

j' = j

j' = j + 2

j' = j + 4

1	A% 0< #	1.445903D 00	1.618277D-02	2.394008D-05
2	A% 1< #	-7.388384D-01	-4.098108D-03	1.0234183D-05
3	A% 2< #	-2.574526D-01	-9.182867D-05	3.178357D-05
4	A% 3< #	-7.983911D-02	-1.610229D-03	1.703618D-05
5	A% 4< #	-4.380020D-02	-2.428252D-03	-2.206378D-06
6	A% 5< #	-3.385909D-02	-3.406492D-03	-2.209976D-05
7	A% 6< #	5.932003D-03	-1.360176D-03	-2.937211D-05
8	A% 7< #	1.214288D-02	-9.799623D-04	-3.485903D-05
9	A% 8< #	1.171224D-02	-8.952873D-04	-2.042119D-05
10	A% 9< #	1.014516D-02	-9.129370D-04	-2.742438D-06
11	A% 10< #	8.932808D-03	-9.992985D-04	1.113763D-05
12	A% 11< #	8.624962D-03	-1.019175D-03	1.993845D-05
13	A% 12< #	8.459526D-03	2.537220D-04	2.776164D-05
14	A% 13< #	-3.721644D-03	5.372220D-04	2.024859D-05
15	A% 14< #	-1.293717D-03	4.635126D-04	8.016098D-06
16	A% 15< #	-4.039796D-04	3.720510D-04	-6.407816D-05
17	A% 16< #	-5.482201D-05	2.830522D-04	-1.144114D-05
18	A% 17< #	8.872689D-05	1.901520D-04	-2.631134D-06
19	A% 18< #	1.458462D-04	1.142289D-04	1.758860D-06
20	A% 19< #	1.356386D-04	7.609404D-05	2.945609D-07
21	A% 20< #	1.065506D-04	5.065082D-05	2.252439D-07
22	A% 21< #	7.399167D-05	3.186967D-05	7.869339D-07
23	A% 22< #	4.588435D-05	1.714144D-05	1.186691D-06
24	A% 23< #	2.282441D-05	6.584180D-06	1.164533D-06
25	A% 24< #	9.128773D-06	2.621768D-06	4.494722D-07

E = 0.80 eV, j = 4

j' = j

j' = j + 2

j' = j + 4

1	A% 0< #	7.551961D 00	1.107909D-01	1.320931D-03
2	A% 1< #	-9.506848D-01	-8.901685D-02	-1.539776D-05
3	A% 2< #	-3.153135D 00	2.5498300-02	8.526041D-04
4	A% 3< #	-9.327284D-01	-6.139041D-03	-9.839997D-05
5	A% 4< #	-2.896116D-01	-9.092365D-03	2.536833D-04
6	A% 5< #	-1.946567D-01	-1.478253D-02	4.224885D-06
7	A% 6< #	1.408369D-02	-1.627384D-03	4.241697D-04
8	A% 7< #	6.734001D-02	-9.652759D-04	9.743367D-05
9	A% 8< #	5.814321D-02	-7.039030D-04	2.924407D-05
10	A% 9< #	4.407929D-02	-1.170137D-03	-3.222072D-05
11	A% 10< #	3.456563D-02	-2.067571D-03	-2.373480D-05
12	A% 11< #	3.043687D-02	-3.390835D-03	6.679048D-05
13	A% 12< #	2.584077D-02	2.201752D-03	9.653406D-05
14	A% 13< #	-8.359947D-03	1.830899D-03	9.104978D-05
15	A% 14< #	-6.551571D-03	1.534068D-03	3.415514D-05
16	A% 15< #	-2.377579D-03	1.313472D-03	-3.4600060D-05
17	A% 16< #	-9.816441D-04	1.020360D-03	-5.415636D-05
18	A% 17< #	-3.311506D-04	6.879889D-04	-1.141390D-05
19	A% 18< #	1.277774D-05	4.116230D-04	9.787197D-06
20	A% 19< #	1.164256D-04	2.596639D-04	5.805868D-06
21	A% 20< #	1.268594D-04	1.608302D-04	3.736980D-06
22	A% 21< #	9.989464D-05	9.195874D-05	3.249937D-06
23	A% 22< #	6.511965D-05	4.225965D-05	2.956652D-06
24	A% 23< #	3.082629D-05	9.950790D-06	2.340264D-06
25	A% 24< #	1.357799D-05	4.213532D-06	8.963665D-07

E = 1.20 eV, j = 4

j' = j

1	A% 0< #	1.166791D 01
2	A% 1< #	1.077123D 00
3	A% 2< #	-6.322308D 00
4	A% 3< #	-2.170296D 00
5	A% 4< #	-2.258357D-01
6	A% 5< #	-1.960629D-01
7	A% 6< #	8.383719D-02
8	A% 7< #	1.643071D-01
9	A% 8< #	1.237882D-01
10	A% 9< #	8.521346D-02
11	A% 10< #	6.031103D-02
12	A% 11< #	4.760480D-02
13	A% 12< #	3.607870D-02
14	A% 13< #	-3.833712D-03
15	A% 14< #	-7.677086D-03
16	A% 15< #	-2.251766D-03
17	A% 16< #	-9.671543D-04
18	A% 17< #	-3.667830D-04
19	A% 18< #	-2.265418D-05
20	A% 19< #	8.664889D-05
21	A% 20< #	1.040482D-04
22	A% 21< #	8.242902D-05
23	A% 22< #	5.211729D-05
24	A% 23< #	2.110903D-05
25	A% 24< #	1.035700D-05

j' = j + 2

j' = j + 4

2.0238013D-01	3.423496D-02
-2.274291D-01	-7.253165D-04
9.654858D-02	6.178575D-03
-9.523421D-03	3.546758D-05
-1.049395D-02	1.440713D-03
-2.164497D-02	3.809279D-04
1.963238D-03	2.378133D-03
1.787146D-03	8.855747D-04
3.034413D-03	3.286157D-04
1.786671D-03	-2.044743D-04
-3.913083D-04	-3.355538D-04
-3.706821D-03	-9.742031D-07
4.801146D-03	4.786676D-05
-2.452357D-03	-1.618340D-04
2.036112D-03	6.753578D-05
1.882984D-03	-6.012448D-05
1.489589D-03	-8.704236D-05
1.018775D-03	-1.922095D-05
6.203579D-04	1.480510D-05
3.853989D-04	1.123819D-05
2.315829D-04	7.698379D-06
1.243357D-04	5.457621D-06
5.315080D-05	3.769328D-06
7.748342D-06	2.359884D-06
3.480551D-06	8.972292D-07

E = 1.60 eV, j = 4

j' = j

1	A% 0< #	1.613702D 01
2	A% 1< #	3.673355D 00
3	A% 2< #	-1.019178D 01
4	A% 3< #	-4.315575D 00
5	A% 4< #	1.202718D 00
6	A% 5< #	2.295590D-01
7	A% 6< #	3.878022D-01
8	A% 7< #	4.196466D-01
9	A% 8< #	2.733378D-01
10	A% 9< #	1.707071D-01
11	A% 10< #	1.084995D-01
12	A% 11< #	7.506314D-02
13	A% 12< #	5.079955D-02
14	A% 13< #	6.124357D-03
15	A% 14< #	-5.893419D-03
16	A% 15< #	-3.108373D-04
17	A% 16< #	-5.353768D-05
18	A% 17< #	3.947476D-05
19	A% 18< #	1.429991D-04
20	A% 19< #	1.449232D-04
21	A% 20< #	1.161047D-04
22	A% 21< #	7.573275D-05
23	A% 22< #	4.029134D-05
24	A% 23< #	9.919886D-06
25	A% 24< #	6.066040D-06

j' = j + 2

j' = j + 4

4.323023D-01	1.1452400-01
-4.821432D-01	-3.2571900-03
2.779533D-01	4.819981D-02
-1.513387D-02	8.426489D-05
8.625728D-03	6.580899D-03
-2.346197D-02	1.771159D-03
1.071772D-02	8.744360D-03
7.407465D-03	3.517747D-03
1.308112D-02	1.287864D-03
1.039722D-02	-8.533405D-04
5.683169D-03	-1.493123D-03
-1.308146D-03	-4.196831D-04
9.485252D-03	-3.234874D-04
2.867729D-03	2.745211D-04
2.312175D-03	1.329203D-04
2.432006D-03	-8.641736D-05
1.961316D-03	-1.226632D-04
1.365675D-03	-2.898891D-05
8.518156D-04	1.874655D-05
5.260153D-04	1.744462D-05
3.098028D-04	1.273216D-05
1.599139D-04	8.263979D-06
6.406022D-05	4.683115D-06
4.743336D-06	2.118104D-06
2.342803D-06	7.967538D-07

E = 2.00 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.407569D 01	1.371724D 00	1.074110D 00
2	A% 1< #	5.239810D 00	-1.015200D 00	-8.225885D-03
3	A% 2< #	-1.036100D 01	7.086370D-01	4.455976D-01
4	A% 3< #	-8.746123D 00	-2.432099D-02	1.034308D-03
5	A% 4< #	1.129218D 01	2.421230D-01	3.802341D-02
6	A% 5< #	2.251460D 00	-4.980005D-03	6.692198D-03
7	A% 6< #	1.553427D 00	3.356551D-02	3.028140D-02
8	A% 7< #	1.214358D 00	1.870169D-02	1.242070D-02
9	A% 8< #	7.006427D-01	4.237660D-02	0.451618D-03
10	A% 9< #	4.024575D-01	3.669015D-02	-3.232973D-03
11	A% 10< #	2.329128D-01	2.569140D-02	-5.670261D-03
12	A% 11< #	1.406234D-01	-9.721013D-03	-2.194465D-03
13	A% 12< #	8.413464D-02	2.039298D-02	-1.925696D-03
14	A% 13< #	2.424936D-02	-1.096546D-03	4.913639D-04
15	A% 14< #	-5.331485D-04	2.162864D-03	2.809192D-04
16	A% 15< #	3.732856D-03	2.971806D-03	-1.143569D-04
17	A% 16< #	1.928171D-03	2.444438D-03	-1.606983D-04
18	A% 17< #	9.942781D-04	1.736199D-03	-0.087715D-05
19	A% 18< #	5.785289D-04	1.112274D-03	2.126783D-05
20	A% 19< #	3.352363D-04	6.868031D-04	2.415029D-05
21	A% 20< #	1.907156D-04	3.996644D-04	1.874071D-05
22	A% 21< #	9.651633D-05	2.099307D-04	1.173138D-05
23	A% 22< #	3.911378D-05	7.710338D-05	5.803015D-06
24	A% 23< #	1.858756D-06	2.134624D-06	1.767255D-06
25	A% 24< #	2.380842D-06	1.245399D-06	6.538104D-07

E = 2.10 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.871738D 01	2.264886D 00	2.067230D 00
2	A% 1< #	5.189452D 00	-1.217060D 00	-2.255051D-03
3	A% 2< #	-4.416702D 00	8.163626D-01	8.598818D-01
4	A% 3< #	-1.053806D 01	-1.977905D-02	2.014467D-03
5	A% 4< #	1.981960D 01	4.959324D-01	6.550592D-02
6	A% 5< #	3.355979D 00	6.950225D-03	9.183643D-03
7	A% 6< #	2.164887D 00	4.409024D-02	4.107164D-02
8	A% 7< #	1.609718D 00	2.314721D-02	1.687253D-02
9	A% 8< #	9.080201D-01	5.630298D-02	6.015447D-03
10	A% 9< #	5.140482D-01	4.940008D-02	-4.466335D-03
11	A% 10< #	2.926227D-01	3.553888D-02	-7.820061D-03
12	A% 11< #	1.717029D-01	1.543404D-02	-3.159556D-03
13	A% 12< #	9.990981D-02	2.523949D-02	-2.796706D-03
14	A% 13< #	3.152720D-02	3.162370D-03	-5.730228D-04
15	A% 14< #	1.845372D-03	2.027709D-03	3.401367D-04
16	A% 15< #	5.096252D-03	3.105982D-03	-1.215039D-04
17	A% 16< #	2.604433D-03	2.567538D-03	-1.704997D-04
18	A% 17< #	1.327648D-03	1.833101D-03	-4.422177D-05
19	A% 18< #	7.354778D-04	1.182422D-03	2.162700D-05
20	A% 19< #	4.071460D-04	7.305904D-04	2.588213D-05
21	A% 20< #	2.214666D-04	4.242943D-04	2.038695D-05
22	A% 21< #	1.074061D-04	2.122957D-04	1.270681D-05
23	A% 22< #	4.127614D-05	8.087132D-05	6.128264D-06
24	A% 23< #	7.159842D-07	1.644445D-06	1.675380D-06
25	A% 24< #	1.694471D-06	1.014616D-06	6.163698D-07

E = 2.20 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A%	0< # 3.679151D 01	4.163075D 00	4.164088D 00
2	A%	1< # 5.260284D 00	-1.372558D 00	8.737431D-04
3	A%	2< # 1.302024D 01	7.215902D-01	1.721334D 00
4	A%	3< # -1.219840D 01	6.001521D-03	3.661976D-03
5	A%	4< # 3.557757D 01	1.045583D 00	1.185809D-01
6	A%	5< # 4.566969D 00	1.903683D-02	1.177540D-02
7	A%	6< # 2.828294D 00	5.517752D-02	5.241975D-02
8	A%	7< # 2.036599D 00	2.750722D-02	2.150411D-02
9	A%	8< # 1.133953D 00	7.057573D-02	7.540382D-03
10	A%	9< # 6.369603D-01	6.244277D-02	-5.785538D-03
11	A%10<	# 3.595997D-01	4.562603D-02	-1.010925D-02
12	A%11<	# 2.070068D-01	2.123474D-02	-4.228681D-03
13	A%12<	# 1.186303D-01	3.015002D-02	-3.756150D-03
14	A%13<	# 4.052909D-02	3.294844D-03	6.427480D-04
15	A%14<	# 5.478032D-03	1.932803D-03	3.899852D-04
16	A%15<	# 6.607843D-03	3.240402D-03	-1.287801D-04
17	A%16<	# 3.356689D-03	2.691926D-03	-1.804901D-04
18	A%17<	# 1.700584D-03	1.931685D-03	-4.767669D-05
19	A%18<	# 9.127442D-04	1.254710D-03	2.190205D-05
20	A%19<	# 4.895925D-04	7.759051D-04	2.763200D-05
21	A%20<	# 2.575608D-04	4.498624D-04	2.208942D-05
22	A%21<	# 1.208751D-04	2.241575D-04	1.372663D-05
23	A%22<	# 4.459254D-05	8.487876D-05	6.474590D-06
24	A%23<	# 5.237190D-09	1.240535D-06	1.584516D-06
25	A%24<	# 1.132232D-06	8.092719D-07	5.793077D-07

E = 2.30 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A%	0< # 4.974506D 01	7.859620D 00	8.134095D 00
2	A%	1< # 7.1110338D 00	-1.173350D 00	2.857048D-02
3	A%	2< # 5.536956D 01	-1.092272D-01	3.358547D 00
4	A%	3< # -1.147052D 01	9.057555D-02	5.884936D-03
5	A%	4< # 6.052272D 01	2.117328D 00	2.088577D-01
6	A%	5< # 4.455165D 00	1.057482D-02	1.113440D-02
7	A%	6< # 2.7770928D 00	5.458159D-02	5.019813D-02
8	A%	7< # 2.022454D 00	2.729430D-02	2.045082D-02
9	A%	8< # 1.141410D 00	6.724670D-02	3.264036D-03
10	A%	9< # 6.499738D-01	5.921115D-02	-5.589029D-03
11	A%10<	# 3.724469D-01	4.275295D-02	-9.740337D-03
12	A%11<	# 2.161995D-01	1.896859D-02	-4.175478D-03
13	A%12<	# 1.273791D-01	2.925752D-02	-3.685467D-03
14	A%13<	# 4.881677D-02	3.575726D-03	5.937366D-04
15	A%14<	# 1.171168D-02	2.213246D-03	3.453067D-04
16	A%15<	# 8.269088D-03	3.374962D-03	-1.361267D-04
17	A%16<	# 4.186035D-03	2.817567D-03	-1.906153D-04
18	A%17<	# 2.114819D-03	2.032600D-03	-5.127841D-05
19	A%18<	# 1.111001D-03	1.329192D-03	2.206576D-05
20	A%19<	# 5.829287D-04	8.228023D-04	2.939612D-05
21	A%20<	# 2.992222D-04	4.764115D-04	2.384730D-05
22	A%21<	# 1.370613D-04	2.365502D-04	1.475228D-05
23	A%22<	# 4.914040D-05	8.914549D-05	6.863413D-06
24	A%23<	# -2.364081D-07	9.324366D-07	1.495740D-06
25	A%24<	# 7.073451D-07	6.328718D-07	5.430828D-07

E = 2.32 eV, j' = 4		j' = j	j' = j + 2	j' = j + 4
1	Ax 0< #	5.254049D 01	8.775633D 00	9.090348D 00
2	Ax 1< #	7.995841D 00	-1.039994D 00	3.776393D-02
3	Ax 2< #	6.724117D 01	-4.288301D-01	3.752749D 00
4	Ax 3< #	-1.062410D 01	1.178302D-01	6.215749D-03
5	Ax 4< #	6.560170D 01	2.381599D 00	2.287153D-01
6	Ax 5< #	3.974198D 00	2.323088D-03	9.948165D-03
7	Ax 6< #	2.511960D 00	5.057464D-02	4.526556D-02
8	Ax 7< #	1.868486D 00	2.585406D-02	1.837726D-02
9	Ax 8< #	1.067138D 00	6.090159D-02	6.535269D-03
10	Ax 9< #	6.0136631D-01	5.330096D-02	-5.037492D-03
11	Ax 10< #	3.552004D-01	3.799534D-02	-8.773348D-03
12	Ax 11< #	2.082031D-01	1.593811D-02	-3.769649D-03
13	Ax 12< #	1.248788D-01	2.722360D-02	-3.311064D-03
14	Ax 13< #	4.961813D-02	3.650304D-03	5.514233D-04
15	Ax 14< #	1.333815D-02	2.370112D-03	3.103421D-04
16	Ax 15< #	8.619481D-03	3.401891D-03	-1.376090D-04
17	Ax 16< #	4.361279D-03	2.842851D-03	-1.926553D-04
18	Ax 17< #	2.202558D-03	2.052976D-03	-5.201609D-05
19	Ax 18< #	1.053215D-03	1.344353D-03	2.208522D-05
20	Ax 19< #	6.029308D-04	8.323733D-04	2.975064D-05
21	Ax 20< #	3.082403D-04	4.818408D-04	2.420548D-05
22	Ax 21< #	1.406354D-04	2.390940D-04	1.501076D-05
23	Ax 22< #	5.020382D-05	9.003099D-05	6.939921D-06
24	Ax 23< #	-2.253944D-07	8.831055D-07	1.478331D-06
25	Ax 24< #	6.399578D-07	6.013610D-07	5.369785D-07

E = 2.34 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	Ax 0< #	5.510489D 01	9.679031D 00	1.001693D 01
2	Ax 1< #	9.106879D 00	-3.683105D-01	4.752864D-02
3	Ax 2< #	7.959091D 01	-7.997495D-01	4.134563D 00
4	Ax 3< #	-9.468962D 00	1.478329D-01	6.443309D-03
5	Ax 4< #	7.003837D 01	2.640878D 00	2.469880D-01
6	Ax 5< #	3.272677D 00	-8.960566D-03	8.264845D-03
7	Ax 6< #	2.134515D 00	4.473435D-02	3.822364D-02
8	Ax 7< #	1.642260D 00	2.378452D-02	1.543228D-02
9	Ax 8< #	9.564560D-01	5.191796D-02	5.501059D-03
10	Ax 9< #	5.584785D-01	4.494140D-02	-4.242640D-03
11	Ax 10< #	3.282030D-01	3.129370D-02	-7.382938D-03
12	Ax 11< #	1.953096D-01	1.171679D-02	-3.172107D-03
13	Ax 12< #	1.201652D-01	2.433139D-02	-2.762777D-03
14	Ax 13< #	4.987919D-02	1.725877D-03	4.953635D-04
15	Ax 14< #	1.503954D-02	2.562574D-03	2.644008D-04
16	Ax 15< #	8.975977D-03	3.428830D-03	-1.390846D-04
17	Ax 16< #	4.539688D-03	2.868190D-03	-1.946966D-04
18	Ax 17< #	2.291969D-03	2.073429D-03	-5.275906D-05
19	Ax 18< #	1.196296D-03	1.359602D-03	2.210016D-05
20	Ax 19< #	6.233846D-04	8.420075D-04	-3.010559D-05
21	Ax 20< #	3.174913D-04	4.873101D-04	2.456581D-05
22	Ax 21< #	1.443236D-04	2.416589D-04	1.523111D-05
23	Ax 22< #	5.131946D-05	9.092676D-05	6.997296D-06
24	Ax 23< #	-1.940131D-07	8.380073D-07	1.461042D-06
25	Ax 24< #	5.786567D-07	5.711654D-07	5.289286D-07

E = 2.36 eV, j' = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	5.724813D 01	1.051283D 01	1.085196D 01
2	AX 1< #	1.043276D 01	-6.617076D-01	5.780328D-02
3	AX 2< #	9.176264D 01	-1.209557D 00	4.478533D 00
4	AX 3< #	-8.018519D 00	1.793469D-01	6.514898D-03
5	AX 4< #	7.343596D 01	2.878577D 00	2.622581D-01
6	AX 5< #	2.348625D 00	-2.323449D-02	6.085097D-03
7	AX 6< #	1.637859D 00	3.706533D-02	2.907988D-02
8	AX 7< #	1.343388D 00	2.110578D-02	1.162127D-02
9	AX 8< #	8.090640D-01	4.032518D-02	4.163851D-03
10	AX 9< #	4.841669D-01	3.415850D-02	-3.203961D-03
11	AX 10< #	2.912455D-01	2.266938D-02	-5.568827D-03
12	AX 11< #	1.773821D-01	6.321611D-03	-2.380346D-03
13	AX 12< #	1.131245D-01	2.059302D-02	-2.038494D-03
14	AX 13< #	4.952295D-02	3.797854D-03	4.265885D-04
15	AX 14< #	1.675731D-02	2.804968D-03	2.082435D-04
16	AX 15< #	9.338554D-03	3.455781D-03	-1.405617D-04
17	AX 16< #	4.721252D-03	2.893587D-03	-1.967417D-04
18	AX 17< #	2.383049D-03	2.093963D-03	-5.350753D-05
19	AX 18< #	1.240243D-03	1.374942D-03	2.211087D-05
20	AX 19< #	6.442920D-04	8.517079D-04	-3.046119D-05
21	AX 20< #	3.269754D-04	4.928191D-04	2.492831D-05
22	AX 21< #	1.481268D-04	2.442453D-04	1.545323D-05
23	AX 22< #	5.248817D-05	9.183362D-05	7.075615D-06
24	AX 23< #	-1.419387D-07	7.972490D-07	1.443904D-06
25	AX 24< #	5.235354D-07	5.423100D-07	5.219365D-07

E = 2.38 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	5.879035D 01	1.121695D 01	1.153141D 01
2	AX 1< #	1.193382D 01	-4.287100D-01	6.795340D-02
3	AX 2< #	1.029783D 02	-1.638321D 00	4.758267D 00
4	AX 3< #	-6.325738D 00	2.106734D-01	6.481059D-03
5	AX 4< #	7.543893D 01	3.077135D 00	2.731710D-01
6	AX 5< #	1.227169D 00	-4.007766D-02	3.485815D-03
7	AX 6< #	1.035846D 00	2.779939D-02	1.810452D-02
8	AX 7< #	9.803917D-01	-1.791742D-02	-7.058673D-03
9	AX 8< #	6.291435D-01	2.648236D-02	2.564084D-03
10	AX 9< #	3.927898D-01	2.128270D-02	-1.950918D-03
11	AX 10< #	2.453068D-01	1.238576D-02	-3.383052D-03
12	AX 11< #	1.548775D-01	-8.113700D-05	-1.415244D-03
13	AX 12< #	1.039063D-01	1.612759D-02	-1.157519D-03
14	AX 13< #	4.853359D-02	-3.860996D-03	3.478890D-04
15	AX 14< #	1.841940D-02	3.070062D-03	1.440872D-04
16	AX 15< #	9.707247D-03	-3.482739D-03	-1.420399D-04
17	AX 16< #	4.905993D-03	2.919041D-03	-1.987905D-04
18	AX 17< #	2.475813D-03	2.114578D-03	-5.426213D-05
19	AX 18< #	1.285065D-03	1.390372D-03	2.211686D-05
20	AX 19< #	6.656567D-04	8.614739D-04	3.081731D-05
21	AX 20< #	3.366958D-04	4.983694D-04	2.529307D-05
22	AX 21< #	1.520470D-04	2.468549D-04	-1.567726D-05
23	AX 22< #	5.371059D-05	9.275171D-05	7.154866D-06
24	AX 23< #	-6.896002D-06	7.608639D-07	1.426962D-06
25	AX 24< #	4.746865D-07	5.148193D-07	5.150055D-07

E = 2.40 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.9601540 01	1.1739120 01	1.2001760 01
2	A% 1< #	1.3543130 01	-1.8229080-01	7.47367370-02
3	A% 2< #	1.1247150 02	-2.0610330 00	4.9516610 00
4	A% 3< #	-4.4810970 00	2.3988690-01	6.0921740-03
5	A% 4< #	7.5815770 01	3.2214410 00	2.7872680-01
6	A% 5< #	-3.8419660-02	-5.8693730-02	5.8159220-04
7	A% 6< #	3.5781390-01	1.7400200-02	5.8236820-03
8	A% 7< #	5.7111020-01	1.4397640-02	1.9687810-03
9	A% 8< #	4.2523550-01	1.1074320-02	7.47825740-04
10	A% 9< #	2.8872520-01	6.9489820-03	-5.4415600-04
11	A% 10< #	1.9257130-01	9.4852190-04	-9.3118560-04
12	A% 11< #	1.2885650-01	-7.1779460-03	-3.2206140-04
13	A% 12< #	9.2939000-02	1.1160360-02	-1.6219320-04
14	A% 13< #	4.6965600-02	3.9102400-03	2.6337110-04
15	A% 14< #	1.9948690-02	3.3498250-03	7.5510330-05
16	A% 15< #	1.0080610-02	3.5098510-03	-1.4432930-04
17	A% 16< #	5.0933840-03	2.9446710-03	-2.0063700-04
18	A% 17< #	2.5700470-03	2.1352280-03	-5.5057510-05
19	A% 18< #	1.3307690-03	1.4058530-03	2.2091110-05
20	A% 19< #	6.8748260-04	8.7130710-04	3.1173750-05
21	A% 20< #	3.4665470-04	5.0396180-04	2.5659920-05
22	A% 21< #	1.5608500-04	2.4948730-04	1.5903150-05
23	A% 22< #	5.4987750-05	9.3681990-05	7.2351140-06
24	A% 23< #	2.5169430-05	7.2890700-07	1.4100340-06
25	A% 24< #	4.3220130-07	4.8871760-07	5.0813860-07

E = 2.42 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.9634340 01	1.2046480 01	1.2232060 01
2	A% 1< #	1.5176430 01	6.2054720-02	8.5380530-02
3	A% 2< #	1.1964350 02	-2.4518140 00	5.0461850 00
4	A% 3< #	-2.5989830-00	2.6527280-01	5.5977380-03
5	A% 4< #	7.4523070 01	3.3021870 00	2.7853330-01
6	A% 5< #	-1.3742890 00	-7.8015920-02	-2.4496120-03
7	A% 6< #	-3.5705440-01	6.5080770-03	-6.9986350-03
8	A% 7< #	1.3963400-01	1.0773890-02	-3.3481210-03
9	A% 8< #	2.1025220-01	-4.9706740-03	-1.0803980-03
10	A% 9< #	1.7845350-01	-7.9860340-02	9.3450030-04
11	A% 10< #	1.3633600-01	-1.0962250-02	1.6425740-03
12	A% 11< #	1.0096370-01	-1.4548670-02	8.3539790-04
13	A% 12< #	8.0934720-02	5.9939300-03	8.9134080-04
14	A% 13< #	4.4968600-02	3.9422350-03	1.7905750-04
15	A% 14< #	2.1290380-02	3.6272620-03	6.6653670-06
16	A% 15< #	1.0461530-02	3.5368200-03	-1.4477430-04
17	A% 16< #	5.2844690-03	2.9702360-03	-2.0269070-04
18	A% 17< #	2.6661780-03	2.1560030-03	-5.5824180-05
19	A% 18< #	1.3773420-03	1.4214630-03	2.2087830-05
20	A% 19< #	7.0976840-04	8.8120430-04	3.1530640-05
21	A% 20< #	3.5685110-04	5.0959370-04	2.6028800-05
22	A% 21< #	1.6024100-04	2.5214210-04	1.5130860-05
23	A% 22< #	5.6319630-05	9.4623750-05	7.3163310-06
24	A% 23< #	1.4074960-07	7.0147950-07	1.3933330-06
25	A% 24< #	3.9617010-07	4.6402890-07	5.0133920-07

E = 2.44 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.893420D 01	1.213251D 01	1.222072D 01
2	A% 1< #	1.674934D 01	2.895922D 01	3.166951D 02
3	A% 2< #	1.241876D 02	-2.789571D 00	3.043021D 00
4	A% 3< #	-7.947387D-01	2.855324D-01	4.946930D-03
5	A% 4< #	7.171383D 01	3.317848D 00	2.728823D-01
6	A% 5< #	-2.700363D 00	-9.693381D-02	-5.429519D-03
7	A% 6< #	-1.065351D 00	-4.220148D-03	-1.961928D-02
8	A% 7< #	-2.874368D-01	-7.279797D-03	-8.571929D-03
9	A% 8< #	-2.968854D-03	-2.069016D-02	-2.905513D-03
10	A% 9< #	6.871682D-02	-2.262796D-02	2.395878D-03
11	A% 10< #	8.006836D-02	-2.263630D-02	4.183933D-03
12	A% 11< #	7.293031D-02	-2.175687D-02	1.988189D-03
13	A% 12< #	6.866598D-02	9.419500D-04	1.939069D-03
14	A% 13< #	4.272000D-02	3.955218D-03	9.977860D-05
15	A% 14< #	2.240580D-02	3.886357D-03	-5.818598D-05
16	A% 15< #	1.084858D-02	3.563804D-03	-1.462503D-04
17	A% 16< #	5.478734D-03	2.995860D-03	-2.047479D-04
18	A% 17< #	2.764003D-03	2.176860D-03	-5.659686D-05
19	A% 18< #	1.424797D-03	1.437167D-03	2.207974D-05
20	A% 19< #	7.325167D-04	8.911679D-04	3.188767D-05
21	A% 20< #	3.672876D-04	5.152679D-04	2.639981D-05
22	A% 21< #	1.645164D-04	2.548206D-04	1.538037D-05
23	A% 22< #	5.770638D-05	9.557657D-05	7.398536D-06
24	A% 23< #	2.780415D-07	6.786588D-07	1.376816D-06
25	A% 24< #	3.666818D-07	4.407767D-07	4.946103D-07

E = 2.46 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.762433D 01	1.201605D 01	1.199324D 01
2	A% 1< #	1.819223D 01	4.891582D-01	9.693508D-02
3	A% 2< #	1.261206D 02	-3.061017D 00	4.986778D 00
4	A% 3< #	8.360402D-01	3.001206D-01	4.200676D-03
5	A% 4< #	6.769671D 01	3.274317D 00	2.626434D-01
6	A% 5< #	-3.945365D 00	-1.144866D-01	-8.198982D-03
7	A% 6< #	-1.728864D 00	-1.419791D-02	-3.136537D-02
8	A% 7< #	-6.869797D-01	4.113527D-03	-1.342480D-02
9	A% 8< #	-2.026594D-01	-3.524500D-02	-4.599696D-03
10	A% 9< #	-3.435388D-02	-3.619764D-02	3.761926D-03
11	A% 10< #	2.695699D-02	-3.345519D-02	6.557077D-03
12	A% 11< #	4.536611D-02	-2.842496D-02	3.074092D-03
13	A% 12< #	5.687562D-02	-3.723294D-03	2.924803D-03
14	A% 13< #	4.041555D-02	-3.949941D-03	2.972363D-05
15	A% 14< #	2.328921D-02	4.114570D-03	-1.157258D-04
16	A% 15< #	1.124180D-02	3.590800D-03	-1.477302D-04
17	A% 16< #	5.676184D-03	3.021542D-03	-2.068105D-04
18	A% 17< #	2.863526D-03	2.197802D-03	-5.737559D-05
19	A% 18< #	1.473138D-03	1.452963D-03	2.206696D-05
20	A% 19< #	7.557311D-04	9.012000D-04	3.224527D-05
21	A% 20< #	3.779662D-04	5.209854D-04	2.677316D-05
22	A% 21< #	1.689119D-04	2.575225D-04	1.659198D-05
23	A% 22< #	5.914912D-05	9.654164D-05	7.481740D-06
24	A% 23< #	4.372858D-07	6.605076D-07	1.360491D-06
25	A% 24< #	3.438246D-07	4.189846D-07	4.879550D-07

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E = 2.48 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.587157D 01	1.173409D 01	1.159358D 01
2	A% 1< #	1.946040D 01	6.538135D 01	9.853343D 02
3	A% 2< #	1.257298D 02	-3.261998D 00	4.781611D 00
4	A% 3< #	2.231481D 00	3.091618D 01	3.412056D 03
5	A% 4< #	6.285631D 01	3.182727D 00	2.490284D 01
6	A% 5< #	-5.058124D 00	-1.300131D 01	-1.064735D 02
7	A% 6< #	-2.320297D 00	-2.301323D 02	-4.176468D 02
8	A% 7< #	-1.042315D 00	-1.406039D 03	-1.771270D 02
9	A% 8< #	-3.803831D 01	-4.805527D 02	-6.095304D 03
10	A% 9< #	-1.263227D 01	-4.815550D 02	-4.977212D 03
11	A% 10< #	-2.065868D 02	-4.299157D 02	8.665936D 03
12	A% 11< #	2.246563D 02	3.429342D 02	4.048139D 03
13	A% 12< #	4.613621D 02	-7.814637D 03	3.807939D 03
14	A% 13< #	3.822563D 02	3.928819D 03	-2.859677D 05
15	A% 14< #	2.396114D 02	4.304572D 03	-1.639246D 04
16	A% 15< #	1.164120D 02	3.617806D 03	-1.492126D 04
17	A% 16< #	5.876826D 03	3.047278D 03	-2.088781D 04
18	A% 17< #	2.964754D 03	2.218825D 03	-5.816004D 05
19	A% 18< #	1.522368D 03	1.468852D 03	2.204975D 05
20	A% 19< #	7.794127D 04	9.112989D 04	3.260342D 05
21	A% 20< #	3.888877D 04	5.267452D 04	2.714866D 05
22	A% 21< #	1.734285D 04	2.602484D 04	1.682531D 05
23	A% 22< #	6.064802D 05	9.751852D 05	7.565948D 06
24	A% 23< #	6.187200D 07	6.470879D 07	1.344366D 06
25	A% 24< #	3.276851D 07	3.986755D 07	4.813764D 07

E = 2.50 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.384975D 01	1.133165D 01	1.107289D 01
2	A% 1< #	2.053566D 01	7.812854D 01	9.953692D 02
3	A% 2< #	1.234653D 02	-3.396077D 00	4.566578D 00
4	A% 3< #	3.365677D 00	3.132699D 01	2.590120D 03
5	A% 4< #	5.757438D 01	3.056477D 00	2.333218D 01
6	A% 5< #	-6.011223D 00	-1.431905D 01	-1.272050D 02
7	A% 6< #	-2.825168D 00	-3.045480D 02	-5.057556D 02
8	A% 7< #	-1.344653D 00	-7.843439D 04	-2.132754D 02
9	A% 8< #	-5.316308D 01	-5.883513D 02	-7.358569D 03
10	A% 9< #	-2.047751D 01	-5.823465D 02	-6.012600D 03
11	A% 10< #	-6.147036D 02	-5.103427D 02	1.046053D 02
12	A% 11< #	1.910871D 03	-3.923580D 02	4.886001D 03
13	A% 12< #	3.679675D 02	-1.124084D 02	4.566388D 03
14	A% 13< #	3.627365D 02	3.895128D 03	-7.437756D 05
15	A% 14< #	2.445908D 02	4.454213D 03	-2.020695D 04
16	A% 15< #	1.204682D 02	3.644829D 03	-1.506886D 04
17	A% 16< #	6.080669D 03	3.073070D 03	-2.109486D 04
18	A% 17< #	3.067690D 03	2.239931D 03	-5.894991D 05
19	A% 18< #	1.572489D 03	1.484832D 03	2.202789D 05
20	A% 19< #	8.035634D 04	9.214642D 04	3.296181D 05
21	A% 20< #	4.000529D 04	5.325469D 04	2.752618D 05
22	A% 21< #	1.780662D 04	2.629970D 04	1.706044D 05
23	A% 22< #	6.220321D 05	9.850670D 05	7.651139D 06
24	A% 23< #	8.225789D 07	6.384607D 07	1.328449D 06
25	A% 24< #	3.183495D 07	3.798723D 07	4.748775D 07

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E = 2.52 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.171224D 01	1.085300D 01	1.0480100 01
2	A% 1< #	2.142082D 01	8.747728D-01	9.877949D-02
3	A% 2< #	1.198276D 02	-3.471656D 00	4.321969D 00
4	A% 3< #	4.241666D 00	3.135886D-01	1.846668D-03
5	A% 4< #	5.217431D 01	2.908569D 00	2.166436D-01
6	A% 5< #	-6.758293D 00	-1.540239D-01	-1.440158D-02
7	A% 6< #	-3.240094D 00	-3.648310D-02	-5.775783D-02
8	A% 7< #	-1.591986D 00	-2.460661D-03	-2.428483D-02
9	A% 8< #	-6.553054D-01	-6.754884D-02	-8.384101D-03
10	A% 9< #	-2.620659D-01	=6.639804D-02	6.861929D-03
11	A% 10< #	-9.508300D-02	-5.755422D-02	1.193044D-02
12	A% 11< #	-1.507498D-02	-4.323796D-02	5.580499D-03
13	A% 12< #	2.899966D-02	-1.399081D-02	5.195049D-03
14	A% 13< #	3.463285D-02	-3.852629D-03	-1.078456D-04
15	A% 14< #	2.482744D-02	4.565447D-03	-2.305795D-04
16	A% 15< #	1.245863D-02	3.671795D-03	-1.521985D-04
17	A% 16< #	6.287721D-03	3.098915D-03	-2.130279D-04
18	A% 17< #	3.172343D-03	2.261121D-03	-5.974605D-05
19	A% 18< #	1.623508D-03	1.500905D-03	2.200131D-05
20	A% 19< #	8.281865D-04	9.316977D-04	3.332055D-05
21	A% 20< #	4.114641D-04	5.383916D-04	2.790589D-05
22	A% 21< #	1.828269D-04	2.657697D-04	1.729746D-05
23	A% 22< #	6.381608D-05	9.950777D-05	7.737382D-06
24	A% 23< #	1.049109D-06	6.346887D-07	1.312748D-06
25	A% 24< #	3.159033D-07	3.625976D-07	4.684623D-07

E = 2.54 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.957792D 01	1.033585D 01	9.855816D 00
2	A% 1< #	2.213414D 01	9.371476D-01	9.729484D-02
3	A% 2< #	1.152858D 02	-3.499665D 00	4.064414D 00
4	A% 3< #	4.883804D 00	3.106741D-01	1.113864D-03
5	A% 4< #	4.689740D 01	2.750113D 00	1.999037D-01
6	A% 5< #	-7.427790D 00	-1.625994D-01	-1.572777D-02
7	A% 6< #	-3.570254D 00	-4.118809D-02	-6.341428D-02
8	A% 7< #	-1.787498D 00	-3.659930D-03	-2.659826D-02
9	A% 8< #	-7.529475D-01	-7.433320D-02	-9.187665D-03
10	A% 9< #	-3.189268D-01	-7.277572D-02	-7.536847D-03
11	A% 10< #	-1.218214D-01	-6.265678D-02	1.309614D-02
12	A% 11< #	-2.863312D-02	-4.636703D-02	-6.139810D-03
13	A% 12< #	2.271579D-02	-1.611317D-02	5.700009D-03
14	A% 13< #	3.332826D-02	-3.804333D-03	-1.306738D-04
15	A% 14< #	2.510859D-02	4.642684D-03	-2.504119D-04
16	A% 15< #	1.287674D-02	3.698839D-03	-1.536883D-04
17	A% 16< #	6.497990D-03	3.124812D-03	-2.151106D-04
18	A% 17< #	3.278713D-03	2.282391D-03	-6.054752D-05
19	A% 18< #	1.675423D-03	1.517069D-03	2.197018D-05
20	A% 19< #	8.532823D-04	9.419971D-04	3.367966D-05
21	A% 20< #	4.231214D-04	5.442779D-04	2.828768D-05
22	A% 21< #	1.877105D-04	2.685657D-04	1.753629D-05
23	A% 22< #	6.548597D-05	1.005200D-04	7.824600D-06
24	A% 23< #	1.298511D-06	6.358273D-07	1.297270D-06
25	A% 24< #	3.204286D-07	3.468735D-07	4.621316D-07

E = 2.56 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.752919D 01	9.809212D 00	9.230625D 00
2	A% 1< #	2.269968D 01	9.737660D-01	9.522049D-02
3	A% 2< #	1.102303D 02	-3.490996D 00	3.806550D 00
4	A% 3< #	5.323496D 00	-3.058127D-01	4.613511D-04
5	A% 4< #	4.190171D 01	2.589481D 00	1.837507D-01
6	A% 5< #	-7.917811D 00	=1.693309D-01	=1.673827D-02
7	A% 6< #	-3.823985D 00	-4.459040D-02	-6.765832D-02
8	A% 7< #	-1.936708D 00	=4.455759D-03	=2.835438D-02
9	A% 8< #	-8.270391D-01	-7.948761D-02	-9.784903D-03
10	A% 9< #	-3.588611D-01	-7.758651D-02	-8.057052D-03
11	A% 10< #	-1.424205D-01	-6.651583D-02	1.399226D-02
12	A% 11< #	-3.912042D-02	-4.873181D-02	6.578362D-03
13	A% 12< #	1.781214D-02	-1.768430D-02	6.094642D-03
14	A% 13< #	3.235102D-02	-3.754547D-03	=1.444320D-04
15	A% 14< #	2.533694D-02	4.692452D-03	-2.628789D-04
16	A% 15< #	1.329969D-02	-3.726479D-03	=1.549984D-04
17	A% 16< #	6.710963D-03	3.151224D-03	-2.170340D-04
18	A% 17< #	3.386540D-03	-2.303761D-03	-6.136292D-05
19	A% 18< #	1.728201D-03	1.533330D-03	2.192624D-05
20	A% 19< #	8.788558D-04	-9.523668D-04	3.403910D-05
21	A% 20< #	4.350284D-04	5.502093D-04	2.867167D-05
22	A% 21< #	1.927199D-04	-2.713871D-04	1.777706D-05
23	A% 22< #	6.721456D-05	1.015455D-04	7.912924D-06
24	A% 23< #	1.571041D-06	6.419398D-07	1.282022D-06
25	A% 24< #	3.320108D-07	3.327217D-07	4.558898D-07

E = 2.58 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.561630D 01	9.293462D 00	8.625354D 00
2	A% 1< #	2.314449D 01	9.899116D-01	9.259145D-02
3	A% 2< #	1.049612D 02	-3.455468D 00	3.556956D 00
4	A% 3< #	5.598955D 00	-2.993496D-01	-1.513412D-04
5	A% 4< #	3.727666D 01	2.432681D 00	1.685114D-01
6	A% 5< #	-8.288432D 00	-1.743375D-01	-1.748129D-02
7	A% 6< #	-4.014900D 00	-4.713692D-02	-7.083300D-02
8	A% 7< #	-2.047178D 00	-4.904218D-03	-2.964129D-02
9	A% 8< #	-8.818064D-01	-8.316349D-02	-1.022885D-02
10	A% 9< #	-3.875037D-01	-8.108336D-02	-8.446313D-03
11	A% 10< #	-1.576938D-01	-6.933181D-02	1.466076D-02
12	A% 11< #	-4.692379D-02	-5.045690D-02	6.913565D-03
13	A% 12< #	1.413270D-02	-1.879678D-02	6.396056D-03
14	A% 13< #	3.168571D-02	-3.701857D-03	-1.507753D-04
15	A% 14< #	2.554650D-02	-4.718242D-03	-2.694874D-04
16	A% 15< #	1.373033D-02	3.753569D-03	-1.564911D-04
17	A% 16< #	6.927678D-03	3.177243D-03	-2.191248D-04
18	A% 17< #	3.496356D-03	-2.325202D-03	-6.217552D-05
19	A% 18< #	1.781919D-03	1.549653D-03	2.188607D-05
20	A% 19< #	9.049066D-04	-9.628028D-04	-3.439891D-05
21	A% 20< #	4.471835D-04	5.561813D-04	2.905768D-05
22	A% 21< #	1.978516D-04	-2.742369D-04	-1.801958D-05
23	A% 22< #	6.900127D-05	1.025826D-04	8.002237D-06
24	A% 23< #	1.8666908D-06	-6.530822D-07	-1.267011D-06
25	A% 24< #	3.507300D-07	3.201639D-07	4.497385D-07

E = 2.60 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.386508D 01	8.801603D 00	8.052749D 00
2	A% 1< #	2.349329D 01	9.902722D-01	8.989062D-02
3	A% 2< #	9.969250D 01	-3.401309D 00	3.320871D 00
4	A% 3< #	5.742769D 00	2.920510D-01	-7.278913D-04
5	A% 4< #	3.306025D 01	2.283403D 00	1.544241D-01
6	A% 5< #	-8.561358D 00	-1.780269D-01	-1.800902D-02
7	A% 6< #	-4.153411D 00	-4.888104D-02	-7.308424D-02
8	A% 7< #	-2.125653D 00	-5.079863D-03	-3.054621D-02
9	A% 8< #	-9.204124D-01	-8.569994D-02	-1.053973D-02
10	A% 9< #	-4.077198D-01	-8.351394D-02	8.728395D-03
11	A% 10< #	-1.685860D-01	-7.130198D-02	1.514325D-02
12	A% 11< #	-5.251410D-02	-5.166409D-02	7.164084D-03
13	A% 12< #	1.147765D-02	-1.953683D-02	6.620440D-03
14	A% 13< #	3.129323D-02	-3.649303D-03	-1.513960D-04
15	A% 14< #	2.575606D-02	4.726127D-03	-2.714441D-04
16	A% 15< #	1.416731D-02	3.780682D-03	-1.579779D-04
17	A% 16< #	7.147653D-03	3.203324D-03	-2.212200D-04
18	A% 17< #	3.607914D-03	2.346733D-03	-6.299418D-05
19	A% 18< #	1.836551D-03	1.566103D-03	2.184105D-05
20	A% 19< #	9.314405D-04	9.733100D-04	3.475910D-05
21	A% 20< #	4.595914D-04	5.621989D-04	2.944592D-05
22	A% 21< #	2.031110D-04	2.771003D-04	1.826404D-05
23	A% 22< #	7.084724D-05	1.036325D-04	8.092618D-06
24	A% 23< #	2.186350D-06	6.693132D-07	1.252241D-06
25	A% 24< #	3.766680D-07	3.092197D-07	4.436786D-07

E = 2.70 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.752995D 01	6.847052D 00	5.800750D 00
2	A% 1< #	2.443151D 01	8.668631D-01	7.533960D-02
3	A% 2< #	7.673957D 01	-3.027818D 00	2.392867D 00
4	A% 3< #	5.355410D 00	2.547887D-01	-2.746156D-03
5	A% 4< #	1.766860D 01	1.689602D 00	1.015002D-01
6	A% 5< #	-9.042808D 00	-1.849393D-01	-1.872009D-02
7	A% 6< #	-4.373625D 00	-5.045789D-02	-7.614714D-02
8	A% 7< #	-2.229783D 00	-3.605692D-03	-3.169409D-02
9	A% 8< #	-9.671922D-01	-8.823919D-02	-1.091653D-02
10	A% 9< #	-4.319995D-01	-8.627211D-02	9.180863D-03
11	A% 10< #	-1.826938D-01	-7.370762D-02	1.589265D-02
12	A% 11< #	-5.990701D-02	-5.316010D-02	7.645093D-03
13	A% 12< #	8.020205D-03	-1.997214D-02	7.046132D-03
14	A% 13< #	3.220992D-02	-3.407837D-03	-1.076841D-04
15	A% 14< #	2.716860D-02	4.621701D-03	-2.437336D-04
16	A% 15< #	1.644730D-02	3.916482D-03	-1.654899D-04
17	A% 16< #	8.296552D-03	3.334590D-03	-2.317820D-04
18	A% 17< #	4.191913D-03	2.455654D-03	-6.717676D-05
19	A% 18< #	2.123457D-03	1.649762D-03	2.154468D-05
20	A% 19< #	1.071383D-03	1.026871D-03	3.656367D-05
21	A% 20< #	5.254363D-04	5.929356D-04	3.141793D-05
22	A% 21< #	2.313207D-04	2.918153D-04	1.951418D-05
23	A% 22< #	8.097732D-05	1.090718D-04	8.560463D-06
24	A% 23< #	4.144354D-06	8.287481D-07	1.182344D-06
25	A% 24< #	6.173889D-07	2.794889D-07	4.149074D-07

E = 2.80 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.417991D 01	5.640749D 00	4.404853D 00
2	A% 1< #	2.491514D 01	6.859625D-01	6.362655D-02
3	A% 2< #	6.087183D 01	-2.678359D 00	1.818179D 00
4	A% 3< #	4.341254D 00	2.260244D-01	-4.132011D-03
5	A% 4< #	8.931898D 00	1.318668D 00	7.051280D-02
6	A% 5< #	-8.931245D 00	-1.846431D-01	-1.821071D-02
7	A% 6< #	-4.277778D 00	-4.740272D-02	-7.390976D-02
8	A% 7< #	-2.141036D 00	-7.122167D-04	-3.057162D-02
9	A% 8< #	-9.150767D-01	-8.439384D-02	-1.053943D-02
10	A% 9< #	-4.035314D-01	-8.309455D-02	9.003623D-03
11	A% 10< #	-1.684789D-01	-7.142172D-02	1.555357D-02
12	A% 11< #	-5.260922D-02	-5.181404D-02	7.604605D-03
13	A% 12< #	1.202785D-02	-1.837032D-02	7.002157D-03
14	A% 13< #	3.569463D-02	3.203948D-03	-4.060948D-05
15	A% 14< #	2.940847D-02	4.441558D-03	-1.966225D-04
16	A% 15< #	1.888748D-02	4.052761D-03	-1.730418D-04
17	A% 16< #	9.527942D-03	3.467374D-03	-2.424673D-04
18	A% 17< #	4.820051D-03	2.566741D-03	-7.150602D-05
19	A% 18< #	2.433572D-03	1.735809D-03	2.112805D-05
20	A% 19< #	1.223642D-03	1.082179D-03	3.837429D-05
21	A% 20< #	5.977482D-04	6.247853D-04	3.344197D-05
22	A% 21< #	2.627908D-04	3.971589D-04	2.081131D-05
23	A% 22< #	9.264739D-05	1.148351D-04	9.055461D-06
24	A% 23< #	6.723116D-06	1.123664D-06	1.119627D-06
25	A% 24< #	1.050172D-06	2.932404D-07	3.889004D-07

E = 2.90 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.248581D 01	4.908837D 00	3.531787D 00
2	A% 1< #	2.538984D 01	5.169155D-01	5.518756D-02
3	A% 2< #	5.028219D 01	-2.411039D 00	1.459187D 00
4	A% 3< #	3.319376D 00	2.063942D-01	-4.954522D-03
5	A% 4< #	3.726009D 00	1.087651D 00	5.185353D-02
6	A% 5< #	-8.715631D 00	-1.834871D-01	-1.751785D-02
7	A% 6< #	-4.127953D 00	-4.369451D-02	-7.092908D-02
8	A% 7< #	-2.019075D 00	2.305178D-03	-2.935944D-02
9	A% 8< #	-8.449289D-01	-7.980295D-02	-1.006443D-02
10	A% 9< #	-3.646998D-01	-7.922408D-02	3.728645D-03
11	A% 10< #	-1.481755D-01	-6.860107D-02	1.505031D-02
12	A% 11< #	-4.192151D-02	-5.015592D-02	7.471799D-03
13	A% 12< #	1.816126D-02	-1.655548D-02	6.878192D-03
14	A% 13< #	4.021759D-02	3.020523D-03	-2.514445D-05
15	A% 14< #	3.236540D-02	4.261299D-03	-1.508680D-04
16	A% 15< #	2.148947D-02	4.189643D-03	-1.806826D-04
17	A% 16< #	1.084281D-02	3.601748D-03	-2.532715D-04
18	A% 17< #	5.492927D-03	2.680045D-03	-7.598313D-05
19	A% 18< #	2.767279D-03	1.824287D-03	2.058971D-05
20	A% 19< #	1.388463D-03	1.139269D-03	4.018939D-05
21	A% 20< #	6.766798D-04	6.577721D-04	3.551748D-05
22	A% 21< #	2.976145D-04	3.231512D-04	2.215602D-05
23	A% 22< #	1.059111D-04	1.209367D-04	9.578703D-06
24	A% 23< #	9.947761D-06	1.560598D-06	1.064919D-06
25	A% 24< #	1.684183D-06	3.529056D-07	3.659797D-07

E = 3.00 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.169152D 01	4.457489D 00	2.960684D 00
2	A% 1< #	2.594328D 01	3.692082D-01	4.881772D-02
3	A% 2< #	4.306283D 01	-2.213097D 00	1.224798D 00
4	A% 3< #	2.415491D 00	1.933825D-01	-5.679646D-03
5	A% 4< #	3.829810D-01	9.388373D-01	4.000259D-02
6	A% 5< #	-8.524825D 00	-1.831562D-01	-1.692751D-02
7	A% 6< #	-3.991782D 00	-4.026281D-02	-6.833762D-02
8	A% 7< #	-1.904821D 00	5.159645D-03	-2.821735D-02
9	A% 8< #	-7.777048D-01	-7.583636D-02	-9.649766D-03
10	A% 9< #	-3.266981D-01	-7.592158D-02	8.493098D-03
11	A% 10< #	-1.278779D-01	-6.622718D-02	1.462330D-02
12	A% 11< #	-3.099476D-02	-4.878660D-02	7.360990D-03
13	A% 12< #	2.480730D-02	-1.497162D-02	6.777374D-03
14	A% 13< #	4.524234D-02	2.843197D-03	8.460941D-05
15	A% 14< #	3.589197D-02	4.090762D-03	-1.097096D-04
16	A% 15< #	2.425902D-02	4.326698D-03	-1.883111D-04
17	A% 16< #	1.224390D-02	3.737700D-03	-2.642634D-04
18	A% 17< #	6.212000D-03	2.795640D-03	-8.064388D-05
19	A% 18< #	3.125423D-03	1.915270D-03	1.991767D-05
20	A% 19< #	1.566323D-03	1.198186D-03	4.201032D-05
21	A% 20< #	7.624994D-04	6.919279D-04	3.764934D-05
22	A% 21< #	3.359329D-04	3.398178D-04	2.354453D-05
23	A% 22< #	1.208343D-04	1.273873D-04	1.012785D-05
24	A% 23< #	1.384193D-05	2.145729D-06	1.018997D-06
25	A% 24< #	2.528059D-06	4.607815D-07	3.464450D-07

E = 3.40 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.199030D 01	3.860991D 00	1.935279D 00
2	A% 1< #	2.879585D 01	-7.663159D-02	3.299234D-02
3	A% 2< #	2.977115D 01	-1.804165D 00	8.074124D-01
4	A% 3< #	-1.488610D-01	1.743457D-01	-8.503021D-03
5	A% 4< #	-6.004425D 00	6.960732D-01	1.907794D-02
6	A% 5< #	-8.219700D 00	-1.917527D-01	-1.596697D-02
7	A% 6< #	-3.687387D 00	-3.139217D-02	-6.331511D-02
8	A% 7< #	-1.586939D 00	1.532844D-02	-2.587844D-02
9	A% 8< #	-5.725818D-01	-6.727757D-02	-8.778809D-03
10	A% 9< #	-2.032890D-01	-6.955462D-02	8.147116D-03
11	A% 10< #	-5.842338D-02	-6.229866D-02	1.394444D-02
12	A% 11< #	8.386538D-02	-4.655322D-02	7.361466D-03
13	A% 12< #	5.241367D-02	-1.113097D-02	6.779648D-03
14	A% 13< #	6.770680D-02	2.076194D-03	2.769228D-04
15	A% 14< #	5.406278D-02	3.436950D-03	1.882752D-05
16	A% 15< #	3.699088D-02	4.880575D-03	-2.198545D-04
17	A% 16< #	1.870049D-02	4.297672D-03	-3.090772D-04
18	A% 17< #	9.545751D-03	3.280421D-03	-1.006621D-04
19	A% 18< #	4.802036D-03	2.304188D-03	1.599557D-05
20	A% 19< #	2.408806D-03	1.452314D-03	4.928372D-05
21	A% 20< #	1.175534D-03	8.404747D-04	4.665414D-05
22	A% 21< #	5.249691D-04	4.133750D-04	2.959924D-05
23	A% 22< #	1.977790D-04	1.568573D-04	1.264018D-05
24	A% 23< #	3.654911D-05	6.081458D-06	9.376107D-07
25	A% 24< #	8.160902D-06	1.416556D-05	3.077895D-07

E = 3.80 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.399418D 01	3.967959D 00	1.596558D 00
2	A% 1< #	3.207820D 01	-4.216407D-01	2.142960D-02
3	A% 2< #	2.615351D 01	-1.652989D 00	6.740437D-01
4	A% 3< #	-1.750831D 00	-1.726821D-01	-1.155737D-02
5	A% 4< #	-9.012407D 00	6.597537D-01	1.196932D-02
6	A% 5< #	-8.353826D 00	-2.084593D-01	-1.585167D-02
7	A% 6< #	-3.599450D 00	-2.735461D-02	-6.331185D-02
8	A% 7< #	-1.392872D 00	2.394672D-02	-2.552304D-02
9	A% 8< #	-4.189058D-01	-6.616350D-02	-8.638525D-03
10	A% 9< #	-1.012920D-01	-7.024028D-02	8.379004D-02
11	A% 10< #	3.100560D-03	-6.407946D-02	1.428259D-02
12	A% 11< #	4.599498D-02	-4.750425D-02	7.815330D-03
13	A% 12< #	8.287770D-02	-9.928189D-03	7.208465D-03
14	A% 13< #	9.341900D-02	1.106482D-03	4.405210D-04
15	A% 14< #	7.750884D-02	2.673537D-03	1.279918D-04
16	A% 15< #	5.247851D-02	5.454291D-03	-2.506855D-04
17	A% 16< #	2.657066D-02	4.886871D-03	-3.556656D-04
18	A% 17< #	1.364329D-02	3.804155D-03	-1.231138D-04
19	A% 18< #	6.886215D-03	2.734665D-03	9.968333D-06
20	A% 19< #	3.471468D-03	1.737200D-03	5.650611D-05
21	A% 20< #	1.706557D-03	1.009019D-03	5.643904D-05
22	A% 21< #	7.749375D-04	4.986598D-04	3.644073D-05
23	A% 22< #	3.043373D-04	1.926238D-04	1.566760D-05
24	A% 23< #	7.159454D-05	1.281174D-05	1.050582D-06
25	A% 24< #	1.774431D-05	3.301153D-06	3.441955D-07

E = 4.40 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.767729D 01	4.551609D 00	1.437287D 00
2	A% 1< #	3.707380D 01	-9.052626D-01	1.807096D-03
3	A% 2< #	2.683558D 01	-1.5648250 00	6.223010D-01
4	A% 3< #	-3.226493D 00	1.680479D-01	-1.757062D-02
5	A% 4< #	-1.205735D 01	7.376432D-01	7.954890D-03
6	A% 5< #	-8.830048D 00	-2.416619D-01	-1.705782D-02
7	A% 6< #	-3.570868D 00	-2.699584D-02	-6.749021D-02
8	A% 7< #	-1.143575D 00	3.596618D-02	-2.663281D-02
9	A% 8< #	-1.897221D-01	-7.169108D-02	-9.021864D-03
10	A% 9< #	6.130260D-02	-7.816115D-02	9.228753D-03
11	A% 10< #	1.060051D-01	-7.233291D-02	1.566824D-02
12	A% 11< #	1.123398D-01	-5.165102D-02	8.932150D-03
13	A% 12< #	1.396142D-01	-1.082360D-02	8.269146D-03
14	A% 13< #	1.391173D-01	-8.086180D-04	-6.828533D-04
15	A% 14< #	1.217810D-01	1.121408D-03	2.928909D-04
16	A% 15< #	8.110991D-02	6.363196D-03	-2.995150D-04
17	A% 16< #	4.113206D-02	5.834752D-03	-4.287741D-04
18	A% 17< #	2.128204D-02	4.667255D-03	-1.614733D-04
19	A% 18< #	1.081406D-02	3.461710D-03	-3.206624D-06
20	A% 19< #	5.500537D-03	2.224862D-03	6.710642D-05
21	A% 20< #	2.738282D-03	1.3014250-03	7.252961D-05
22	A% 21< #	1.272550D-03	6.501500D-04	4.820900D-05
23	A% 22< #	5.244686D-04	2.591243D-04	2.124966D-05
24	A% 23< #	1.496087D-04	2.874921D-05	1.660817D-06
25	A% 24< #	4.036929D-05	8.093392D-06	5.691460D-07

E = 5.00 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.153557D 01	5.365052D 00	1.424180D 00
2	A% 1< #	4.188290D 01	-1.417841D 00	-2.505928D-02
3	A% 2< #	3.087730D 01	-1.489454D 00	6.365901D-01
4	A% 3< #	-3.906129D 00	1.420732D-01	-2.5059574D-02
5	A% 4< #	-1.0446402D 01	8.989745D-01	6.665706D-03
6	A% 5< #	-9.335992D 00	-2.811729D-01	-1.867257D-02
7	A% 6< #	-3.490959D 00	-3.048270D-02	-7.401509D-02
8	A% 7< #	-8.0382095D-01	-4.808392D-02	-2.850760D-02
9	A% 8< #	9.247299D-02	-8.259065D-02	-9.726602D-03
10	A% 9< #	2.649141D-01	-9.132077D-02	1.035908D-02
11	A% 10< #	2.381549D-01	-8.488278D-02	1.756876D-02
12	A% 11< #	1.998900D-01	-5.759499D-02	1.032331D-02
13	A% 12< #	2.141430D-01	-1.400929D-02	9.614280D-03
14	A% 13< #	1.950655D-01	-3.325250D-03	9.409483D-04
15	A% 14< #	1.0770532D-01	-1.049809D-03	4.796459D-04
16	A% 15< #	1.164092D-01	-7.333645D-03	-3.483204D-04
17	A% 16< #	5.911322D-02	6.860798D-03	-5.055521D-04
18	A% 17< #	3.077639D-02	5.627109D-03	-2.056356D-04
19	A% 18< #	1.574539D-02	4.290274D-03	-2.155482D-05
20	A% 19< #	8.078199D-03	2.788148D-03	-7.726375D-05
21	A% 20< #	4.068049D-03	1.643727D-03	9.026088D-05
22	A% 21< #	1.926884D-03	8.317095D-04	6.182064D-05
23	A% 22< #	8.223491D-04	3.422288D-04	2.816589D-05
24	A% 23< #	2.607741D-04	5.237870D-05	2.886417D-06
25	A% 24< #	7.384719D-05	1.545721D-05	1.032000D-06

E = 6.00 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.798070D 01	7.001479D 00	1.524014D 00
2	A% 1< #	4.945502D 01	-2.416251D 00	-9.245698D-02
3	A% 2< #	4.163118D 01	-1.199413D 00	7.254042D-01
4	A% 3< #	-3.322875D 00	-1.099287D-02	-4.114414D-02
5	A% 4< #	-1.756521D 01	1.309613D 00	7.591069D-03
6	A% 5< #	-9.856163D 00	-3.569636D-01	-2.177967D-02
7	A% 6< #	-3.007266D 00	-4.421381D-02	-8.742089D-02
8	A% 7< #	-6.583997D-02	6.848201D-02	-3.217937D-02
9	A% 8< #	7.555129D-01	-1.095394D-01	-1.125171D-02
10	A% 9< #	7.377466D-01	-1.219700D-01	1.254010D-02
11	A% 10< #	5.488513D-01	-1.129888D-01	2.131120D-02
12	A% 11< #	4.088901D-01	-6.996411D-02	1.297947D-02
13	A% 12< #	3.8662164D-01	-2.346563D-02	1.226883D-02
14	A% 13< #	3.159197D-01	-8.788174D-03	1.424870D-03
15	A% 14< #	2.945036D-01	-6.172812D-03	8.602576D-04
16	A% 15< #	1.912658D-01	9.135076D-03	-4.289903D-04
17	A% 16< #	9.694092D-02	8.766139D-03	-6.409005D-04
18	A% 17< #	3.087471D-02	7.453184D-03	-2.922674D-04
19	A% 18< #	2.629207D-02	5.905827D-03	-6.415296D-05
20	A% 19< #	1.365765D-02	3.902871D-03	9.281751D-05
21	A% 20< #	6.986639D-03	2.331162D-03	1.233185D-04
22	A% 21< #	3.4389197D-03	1.205550D-03	8.869143D-05
23	A% 22< #	1.504895D-03	5.205565D-04	4.286807D-05
24	A% 23< #	5.261629D-04	1.105335D-04	6.509431D-06
25	A% 24< #	1.561091D-04	3.426409D-05	2.414589D-06

E = 7.00 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.439979D 01	8.855939D 00	1.693704D 00
2	A% 1< #	5.682639D 01	-3.659612D 00	-1.929768D-01
3	A% 2< #	5.563211D 01	-5.197187D-01	8.640502D-01
4	A% 3< #	-2.631510D-01	-2.733787D-01	-6.161547D-02
5	A% 4< #	-1.943995D 01	1.882996D 00	1.176554D-02
6	A% 5< #	-9.696544D 00	-4.434448D-01	-2.496568D-02
7	A% 6< #	-1.899090D 00	-6.724363D-02	-1.025717D-01
8	A% 7< #	1.143661D 00	8.893441D-02	-3.591808D-02
9	A% 8< #	1.724533D 00	-1.452330D-01	-1.302188D-02
10	A% 9< #	1.416351D 00	-1.609535D-01	1.488338D-02
11	A% 10< #	9.970979D-01	-1.480838D-01	2.543385D-02
12	A% 11< #	7.130325D-01	-8.421797D-02	1.586872D-02
13	A% 12< #	6.268036D-01	-3.731923D-02	1.530844D-02
14	A% 13< #	4.7774021D-01	-1.657363D-02	1.983421D-03
15	A% 14< #	4.450981D-01	-1.317805D-02	1.3415020-03
16	A% 15< #	2.869212D-01	-1.123253D-02	-5.068620D-04
17	A% 16< #	1.449337D-01	1.091198D-02	-7.848144D-04
18	A% 17< #	7.649227D-02	9.572880D-03	-3.954421D-04
19	A% 18< #	3.985897D-02	7.824205D-03	-1.223031D-04
20	A% 19< #	2.091198D-02	5.245919D-03	1.062077D-04
21	A% 20< #	1.082963D-02	3.171859D-03	1.606127D-04
22	A% 21< #	5.343793D-03	-1.673628D-03	1.208967D-04
23	A% 22< #	2.435656D-03	7.520838D-04	6.178540D-05
24	A% 23< #	8.992554D-04	1.941239D-04	1.235768D-05
25	A% 24< #	2.742088D-04	6.179698D-05	4.657953D-06

E = 8.00 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	6.084347D 01	1.083808D 01	1.901192D 00
2	A% 1< #	6.453217D 01	-5.199619D 00	-3.293635D-01
3	A% 2< #	7.188280D 01	6.918828D-01	1.041251D 00
4	A% 3< #	5.718701D 00	-7.429812D-01	-8.654229D-02
5	A% 4< #	-1.981504D 01	2.610656D 00	1.968099D-02
6	A% 5< #	-8.676935D 00	-5.397166D-01	-2.786238D-02
7	A% 6< #	-2.891560D-02	-9.859129D-02	-1.187263D-01
8	A% 7< #	2.865826D 00	1.097032D-01	-3.943134D-02
9	A% 8< #	3.047200D 00	-1.871780D-01	-1.498127D-02
10	A% 9< #	2.331730D 00	-2.052970D-01	1.724875D-02
11	A% 10< #	1.602890D 00	-1.876248D-01	2.971495D-02
12	A% 11< #	1.125828D 00	-9.897747D-02	1.884966D-02
13	A% 12< #	9.430755D-01	-5.448937D-02	1.865085D-02
14	A% 13< #	6.863349D-01	-2.313730D-02	2.618193D-03
15	A% 14< #	6.303784D-01	-2.184737D-02	1.933145D-03
16	A% 15< #	4.048438D-01	-1.371429D-02	-5.791296D-04
17	A% 16< #	2.034476D-01	1.333222D-02	-9.365421D-04
18	A% 17< #	1.077954D-01	1.199525D-02	-5.155826D-04
19	A% 18< #	5.654466D-02	1.005260D-02	-1.967048D-04
20	A% 19< #	2.990349D-02	-6.824238D-03	-1.169495D-04
21	A% 20< #	1.563687D-02	4.171689D-03	2.019805D-04
22	A% 21< #	7.815888D-03	-2.240684D-03	-1.585326D-04
23	A% 22< #	3.629038D-03	1.039971D-03	8.514519D-05
24	A% 23< #	1.387021D-03	-3.049659D-04	-2.066147D-05
25	A% 24< #	4.306864D-04	9.877059D-05	7.851346D-06

E = 9.00 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	6.737638D 01	1.287612D 01	2.133017D 00
2	A% 1< #	7.304888D 01	-7.062399D 00	-5.018862D-01
3	A% 2< #	8.973658D 01	2.508471D 00	1.252382D 00
4	A% 3< #	1.497968D 01	-1.409848D 00	-1.158024D-01
5	A% 4< #	-1.841617D 01	3.479006D 00	3.208043D-02
6	A% 5< #	-6.691707D 00	-6.446186D-01	-3.000282D-02
7	A% 6< #	2.701287D 00	-1.368925D-01	-1.354478D-01
8	A% 7< #	5.148656D 00	-1.313350D-01	-4.252417D-02
9	A% 8< #	4.755321D 00	-2.322955D-01	-1.711635D-02
10	A% 9< #	3.504577D 00	-2.515974D-01	1.953728D-02
11	A% 10< #	2.380215D 00	-2.287380D-01	3.399503D-02
12	A% 11< #	1.657221D 00	-1.126268D-01	2.180560D-02
13	A% 12< #	1.340116D 00	-7.361178D-02	2.223597D-02
14	A% 13< #	9.481295D-01	-3.068643D-02	3.324811D-03
15	A% 14< #	8.516509D-01	-3.174095D-02	2.638805D-03
16	A% 15< #	5.465071D-01	1.668825D-02	-6.428541D-04
17	A% 16< #	2.728393D-01	1.604038D-02	-1.094969D-03
18	A% 17< #	1.449374D-01	1.473044D-02	-6.526038D-04
19	A% 18< #	7.643514D-02	1.259817D-02	-2.877935D-04
20	A% 19< #	4.068453D-02	3.644024D-03	1.247228D-04
21	A% 20< #	2.144129D-02	5.335493D-03	2.472775D-04
22	A% 21< #	1.082529D-02	2.910392D-03	2.016610D-04
23	A% 22< #	5.096647D-03	1.386767D-03	1.131308D-04
24	A% 23< #	1.995072D-03	4.445213D-04	3.160611D-05
25	A% 24< #	6.275887D-04	1.457285D-04	1.206663D-05

E = 10.00 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	7.404352D 01	1.490671D 01	2.381211D 00
2	A% 1< #	8.270983D 01	-9.246549D 00	-7.086021D-01
3	A% 2< #	1.086724D 02	4.931733D 00	1.493867D 00
4	A% 3< #	2.769212D 01	-2.270019D 00	-1.488071D-01
5	A% 4< #	-1.501690D 01	4.467542D 00	4.954494D-02
6	A% 5< #	-3.674433D 00	-7.563998D-01	-3.081180D-02
7	A% 6< #	6.372295D 00	-1.801716D-01	-1.524138D-01
8	A% 7< #	8.026808D 00	1.543578D-01	-4.518015D-02
9	A% 8< #	6.871099D 00	-2.771768D-01	-1.942601D-02
10	A% 9< #	4.950214D 00	-2.960507D-01	2.164808D-02
11	A% 10< #	3.339233D 00	-2.682488D-01	3.813462D-02
12	A% 11< #	2.314838D 00	-1.234488D-01	2.463230D-02
13	A% 12< #	1.821840D 00	-9.311061D-02	2.601125D-02
14	A% 13< #	1.267516D 00	-3.722877D-02	4.099578D-03
15	A% 14< #	1.0110093D 00	-4.224771D-02	3.459880D-03
16	A% 15< #	7.135114D-01	2.028076D-02	-6.944646D-04
17	A% 16< #	3.534959D-01	1.905842D-02	-1.259438D-03
18	A% 17< #	1.880795D-01	1.778941D-02	-8.067703D-04
19	A% 18< #	9.9616667D-02	1.546816D-02	-3.961358D-04
20	A% 19< #	5.330678D-02	1.071142D-02	1.291270D-04
21	A% 20< #	2.827247D-02	6.567818D-03	2.964120D-04
22	A% 21< #	1.438974D-02	3.686136D-03	2.503575D-04
23	A% 22< #	6.848092D-03	1.794578D-03	1.458936D-04
24	A% 23< #	2.7280500D-03	6.1399950D-04	4.534491D-05
25	A% 24< #	8.666094D-04	2.031207D-04	1.736332D-05

E = 0.20 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.7670700 00	1.916985D-021	2.772438D-05
2	A% 1< #	-9.529387D-01	-4.855115D-03	3.762824D-05
3	A% 2< #	-3.146645D-01	-1.090968D-04	3.713486D-05
4	A% 3< #	-9.756725D-02	-1.907660D-03	-2.079440D-05
5	A% 4< #	-5.351141D-02	-2.876341D-03	-2.629422D-06
6	A% 5< #	-4.135183D-02	-4.635058D-03	-2.572899D-05
7	A% 6< #	7.262589D-03	-1.611056D-03	-3.416631D-05
8	A% 7< #	1.485024D-02	-1.160599D-03	-4.458795D-05
9	A% 8< #	1.432376D-02	-1.060364D-03	-2.385263D-05
10	A% 9< #	1.240831D-02	-1.081354D-03	-3.258824D-06
11	A%10< #	1.092625D-02	-1.183850D-03	1.299051D-05
12	A%11< #	1.055107D-02	-1.207453D-03	2.334546D-05
13	A%12< #	1.033661D-02	3.01927D-04	3.235739D-05
14	A%13< #	-4.553717D-03	6.359738D-04	-2.351358D-05
15	A%14< #	-1.585390D-03	5.488929D-04	9.337340D-06
16	A%15< #	-4.968025D-04	4.409256D-04	-7.427487D-06
17	A%16< #	-6.936266D-05	3.355738D-04	-1.333913D-05
18	A%17< #	1.67634D-04	2.252581D-04	-3.081292D-06
19	A%18< #	1.771404D-04	1.352165D-04	2.09828D-06
20	A%19< #	1.649254D-04	9.011625D-05	3.070640D-07
21	A%20< #	1.296633D-04	5.998238D-05	2.511722D-07
22	A%21< #	9.012692D-05	3.774154D-05	9.118361D-07
23	A%22< #	5.590447D-05	2.029659D-05	1.380327D-06
24	A%23< #	2.781152D-05	7.783712D-06	1.355473D-06
25	A%24< #	1.112442D-05	3.099126D-06	5.229453D-07

E = 0.80 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	9.229153D 00	1.312270D-01	1.5376200-03
2	A% 1< #	-1.161151D-00	-1.054504D-01	-1.796612D-05
3	A% 2< #	-3.854074D 00	3.019812D-02	7.607294D-04
4	A% 3< #	-1.139949D 00	-7.273163D-03	-5.634874D-05
5	A% 4< #	-3.538923D-01	-1.077335D-02	2.951341D-04
6	A% 5< #	-2.377788D-01	-1.751117D-02	-5.010035D-06
7	A% 6< #	1.721594D-02	-1.933649D-03	4.943174D-04
8	A% 7< #	8.230375D-02	-1.145459D-03	1.135739D-04
9	A% 8< #	7.107175D-02	-8.342251D-04	3.380673D-05
10	A% 9< #	5.388815D-02	-1.385180D-03	-3.783066D-05
11	A%10< #	4.226409D-02	-2.448776D-03	-2.777097D-05
12	A%11< #	3.722801D-02	-4.016975D-03	-7.845705D-05
13	A%12< #	3.156117D-02	2.606699D-03	1.126314D-04
14	A%13< #	-1.023509D-02	-2.4166872D-03	-1.058810D-04
15	A%14< #	-8.020739D-03	1.816629D-03	3.964837D-05
16	A%15< #	-2.915457D-03	1.556770D-03	-4.194903D-05
17	A%16< #	-1.208199D-03	1.269968D-03	-6.308879D-05
18	A%17< #	-4.112538D-04	8.152091D-04	-1.335139D-05
19	A%18< #	1.093865D-05	4.872476D-04	1.121993D-05
20	A%19< #	1.389772D-04	-3.073009D-04	6.591544D-06
21	A%20< #	1.530112D-04	1.932723D-04	4.264006D-06
22	A%21< #	1.210257D-04	1.077872D-04	3.751007D-06
23	A%22< #	7.907398D-05	5.006893D-05	3.432613D-06
24	A%23< #	3.752725D-05	1.175364D-05	2.722374D-06
25	A%24< #	1.653675D-05	4.978393D-06	1.042750D-06

E = 1.20 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.425848D 01	2.649408D-01	1.657788D-02
2	A% 1< #	1.318535D 00	-2.694068D-01	-8.447656D-04
3	A% 2< #	-7.728260D 00	1.142976D-01	7.197246D-03
4	A% 3< #	-2.652501D 00	-1.128253D-02	-4.123168D-05
5	A% 4< #	-2.759557D-01	-1.244796D-02	1.677386D-03
6	A% 5< #	-2.394420D-01	-2.564467D-02	4.438743D-04
7	A% 6< #	1.023967D-01	2.295446D-03	2.779315D-03
8	A% 7< #	2.007820D-01	-2.104941D-03	-1.031667D-03
9	A% 8< #	1.512665D-01	3.590710D-03	3.824182D-04
10	A% 9< #	1.041420D-01	-2.120112D-03	-2.386178D-04
11	A% 10< #	7.372112D-02	-4.590919D-04	-3.911256D-04
12	A% 11< #	5.521418D-02	-4.389934D-03	-4.430854D-08
13	A% 12< #	4.405155D-02	5.686280D-03	5.616234D-05
14	A% 13< #	-4.709438D-03	-2.901572D-03	-1.883089D-04
15	A% 14< #	-9.400443D-03	2.410884D-03	7.833643D-05
16	A% 15< #	-2.764933D-03	-2.231844D-03	-7.016668D-05
17	A% 16< #	-1.194370D-03	1.766636D-03	-1.013784D-04
18	A% 17< #	-4.581830D-04	-1.207328D-03	-2.245624D-05
19	A% 18< #	-3.506383D-05	7.343769D-04	1.696825D-05
20	A% 19< #	1.007141D-04	-4.559645D-04	-1.281559D-05
21	A% 20< #	1.240620D-04	2.738331D-04	8.798634D-06
22	A% 21< #	9.912726D-05	-1.471190D-04	6.289842D-06
23	A% 22< #	6.297696D-05	6.288338D-05	4.389412D-06
24	A% 23< #	2.565772D-05	-9.140470D-06	2.742885D-06
25	A% 24< #	1.260305D-05	4.109399D-06	1.043252D-06

&lt;

E = 1.60 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.971675D 01	5.106957D-01	1.335907D-01
2	A% 1< #	4.494041D 00	-5.711611D-01	-3.793594D-03
3	A% 2< #	-1.246012D 01	3.286746D-01	5.613992D-02
4	A% 3< #	-5.274461D 00	-1.792979D-02	-9.800224D-05
5	A% 4< #	1.469775D 00	1.013820D-02	7.663630D-03
6	A% 5< #	2.807524D-01	-2.781347D-02	-2.363340D-03
7	A% 6< #	4.736961D-01	1.258725D-02	1.018528D-02
8	A% 7< #	5.127582D-01	-8.730313D-03	-4.097786D-03
9	A% 8< #	3.339422D-01	1.548093D-02	1.499837D-03
10	A% 9< #	2.085732D-01	-1.232917D-02	-9.543735D-04
11	A% 10< #	1.325872D-01	6.751437D-03	-1.739470D-03
12	A% 11< #	9.176059D-02	-1.542529D-03	-4.869438D-04
13	A% 12< #	6.200916D-02	1.123943D-02	-3.760320D-04
14	A% 13< #	7.456239D-03	-3.391548D-03	-3.195709D-04
15	A% 14< #	-7.222817D-03	2.737041D-03	1.542240D-04
16	A% 15< #	-3.554229D-04	-2.826370D-03	-1.009612D-04
17	A% 16< #	-8.168634D-05	2.326404D-03	-1.428503D-04
18	A% 17< #	-3.476938D-05	-1.618623D-03	-3.383045D-05
19	A% 18< #	1.642515D-04	1.008455D-03	2.146628D-05
20	A% 19< #	1.697969D-04	-6.221353D-04	1.993326D-05
21	A% 20< #	1.375786D-04	3.661723D-04	1.456275D-05
22	A% 21< #	9.430167D-05	-1.891362D-04	-9.515682D-06
23	A% 22< #	4.829421D-05	7.574572D-05	5.416565D-06
24	A% 23< #	1.199664D-05	-5.577923D-06	2.458155D-06
25	A% 24< #	7.365437D-06	2.761408D-06	9.254361D-07

E = 2.00 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.439109D 01	1.611721D 00	1.251018D 00
2	A% 1< #	6.413474D 00	-1.202519D 00	-5.580636D-03
3	A% 2< #	-1.267912D 01	8.339680D-01	5.189898D-01
4	A% 3< #	-1.068452D 01	-2.882587D-02	1.262677D-03
5	A% 4< #	1.374958D 01	2.863531D-01	4.428308D-02
6	A% 5< #	2.751702D 00	-5.978356D-03	7.795699D-03
7	A% 6< #	1.897691D 00	3.938671D-02	3.526951D-02
8	A% 7< #	1.483789D 00	2.200178D-02	-1.446875D-02
9	A% 8< #	8.558824D-01	5.714321D-02	5.185864D-03
10	A% 9< #	4.916440D-01	4.350793D-02	-3.765129D-03
11	A% 10< #	2.845575D-01	3.050639D-02	-6.604171D-03
12	A% 11< #	1.718281D-01	1.154500D-02	-2.552953D-03
13	A% 12< #	1.026881D-01	2.418063D-02	-2.241547D-03
14	A% 13< #	2.960348D-02	-3.659226D-03	5.721977D-04
15	A% 14< #	-6.713428D-04	2.558291D-03	3.262773D-04
16	A% 15< #	4.544494D-03	3.522492D-03	-1.337181D-04
17	A% 16< #	2.335278D-03	2.899814D-03	-1.871339D-04
18	A% 17< #	1.197914D-03	-2.057989D-03	-4.765875D-05
19	A% 18< #	6.929782D-04	1.316920D-03	2.431596D-05
20	A% 19< #	3.999481D-04	-8.122685D-04	2.762562D-05
21	A% 20< #	2.273551D-04	4.722405D-04	2.144380D-05
22	A% 21< #	1.149495D-04	2.375573D-04	1.350117D-05
23	A% 22< #	4.658492D-05	9.111224D-05	6.688286D-06
24	A% 23< #	2.151901D-06	-2.483982D-06	2.045500D-06
25	A% 24< #	2.866733D-06	1.460695D-06	7.577590D-07

E = 2.10 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.503551D 01	2.657532D 00	2.407709D 00
2	A% 1< #	6.353712D 00	-1.441657D 00	-8.461577D-03
3	A% 2< #	-5.423415D 00	9.565203D-01	9.968478D-01
4	A% 3< #	-1.287973D 01	-2.345703D-02	2.346013D-03
5	A% 4< #	2.421814D 01	5.866793D-01	7.629096D-02
6	A% 5< #	4.101512D 00	-8.124573D-03	-1.069796D-02
7	A% 6< #	2.644710D 00	5.172091D-02	4.783677D-02
8	A% 7< #	1.966878D 00	-2.721460D-02	1.965481D-02
9	A% 8< #	1.109190D 00	6.662783D-02	7.008082D-03
10	A% 9< #	6.279476D-01	5.858087D-02	-5.201013D-03
11	A% 10< #	3.574944D-01	4.219925D-02	-9.107654D-03
12	A% 11< #	2.297335D-01	1.832625D-02	-3.676563D-03
13	A% 12< #	1.219441D-01	2.993277D-02	-3.255769D-03
14	A% 13< #	3.649568D-02	-3.736039D-03	-6.673458D-04
15	A% 14< #	2.236269D-03	2.397452D-03	3.951670D-04
16	A% 15< #	6.210326D-03	-3.681536D-03	-1.421012D-04
17	A% 16< #	3.161764D-03	3.045937D-03	-1.985450D-04
18	A% 17< #	1.604367D-03	-2.172903D-03	-5.154702D-05
19	A% 18< #	8.838376D-04	1.400005D-03	2.471377D-05
20	A% 19< #	4.871723D-04	-8.640323D-04	2.961230D-05
21	A% 20< #	2.645664D-04	5.013126D-04	2.332911D-05
22	A% 21< #	1.280510D-04	2.509721D-04	1.462239D-05
23	A% 22< #	4.915235D-05	9.555079D-05	7.059244D-06
24	A% 23< #	7.548626D-07	1.502082D-06	1.937337D-06
25	A% 24< #	2.028517D-06	1.186962D-06	7.137826D-07

E = 2.20 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.484304D 01	4.880305D 00	4.849928D 00
2	A% 1< #	6.441507D 00	-1.625975D-00	-1.014865D-03
3	A% 2< #	1.587114D 01	8.335750D-01	2.004840D 00
4	A% 3< #	-1.490930D-01	7.062536D-03	4.264829D-03
5	A% 4< #	4.347185D 01	1.237147D 00	1.381758D-01
6	A% 5< #	5.581451D 00	-2.241178D-02	-1.371722D-02
7	A% 6< #	3.455202D 00	6.471451D-02	6.105370D-02
8	A% 7< #	2.488490D 00	-3.232455D-02	-2.505062D-02
9	A% 8< #	1.385173D 00	8.351756D-02	8.901793D-03
10	A% 9< #	7.780883D-01	-7.404951D-02	-6.736612D-03
11	A% 10< #	4.393149D-01	5.417804D-02	-1.177330D-02
12	A% 11< #	2.529039D-01	-2.521178D-02	-4.921249D-03
13	A% 12< #	1.448014D-01	3.576192D-02	-4.372927D-03
14	A% 13< #	4.649674D-02	-3.891966D-03	-7.486044D-04
15	A% 14< #	6.676569D-03	2.284422D-03	4.531461D-04
16	A% 15< #	8.057292D-03	-3.840869D-03	-1.506385D-04
17	A% 16< #	4.080110D-03	3.193596D-03	-2.101770D-04
18	A% 17< #	2.059524D-03	-2.290052D-03	-5.556288D-05
19	A% 18< #	1.099499D-03	1.485627D-03	2.501400D-05
20	A% 19< #	5.872530D-04	-5.1760250-04	3.161960D-05
21	A% 20< #	3.082849D-04	5.314922D-04	2.527880D-05
22	A% 21< #	1.442965D-04	-2.649727D-04	1.579464D-05
23	A% 22< #	5.312674D-05	1.002714D-04	7.454272D-06
24	A% 23< #	-1.153084D-07	1.422208D-06	1.830289D-06
25	A% 24< #	1.341653D-06	9.432808D-07	6.702163D-07

E = 2.30 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	6.055905D 01	9.209638D 00	9.473812D 00
2	A% 1< #	8.700317D 00	-1.394322D 00	3.339258D-02
3	A% 2< #	6.760459D 01	-1.708231D-01	3.911699D 00
4	A% 3< #	-1.402047D 01	-1.072226D-01	-6.853855D-03
5	A% 4< #	7.394887D 01	2.505637D 00	2.432496D-01
6	A% 5< #	5.444894D 00	-1.239640D-02	1.297113D-02
7	A% 6< #	3.385137D 00	6.403540D-02	5.846597D-02
8	A% 7< #	2.471229D 00	-3.208683D-02	-2.382489D-02
9	A% 8< #	1.394329D 00	7.958007D-02	8.464289D-03
10	A% 9< #	7.940216D-01	-7.422022D-02	-6.507112D-03
11	A% 10< #	4.550364D-01	5.077086D-02	-1.134324D-02
12	A% 11< #	2.641591D-01	-2.252721D-02	-4.858840D-03
13	A% 12< #	1.555012D-01	3.470391D-02	-4.290349D-03
14	A% 13< #	5.662499D-02	-4.225137D-03	-6.915585D-04
15	A% 14< #	1.429446D-02	2.617184D-03	4.010165D-04
16	A% 15< #	1.008718D-02	-4.000365D-03	-1.592601D-04
17	A% 16< #	5.092663D-03	3.342747D-03	-2.219663D-04
18	A% 17< #	2.564406D-03	-2.409492D-03	-5.974869D-05
19	A% 18< #	1.340787D-03	1.573849D-03	2.518507D-05
20	A% 19< #	7.006217D-04	-5.730446D-04	3.364315D-05
21	A% 20< #	3.587941D-04	5.628305D-04	2.729195D-05
22	A% 21< #	1.638546D-04	-2.795996D-04	1.701954D-05
23	A% 22< #	5.660262D-05	1.052977D-04	7.875030D-06
24	A% 23< #	-4.133979D-07	-1.055649D-06	1.725611D-06
25	A% 24< #	8.222572D-07	7.337948D-07	6.275937D-07

E = 2.32 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	Ax 0< #	6.394749D 01	1.02836E0 01	1.058756D 01
2	Ax 1< #	9.781216D 00	-1.232468D-00	-4.391387D-02
3	Ax 2< #	8.210894D 01	-5.542935D-01	4.370826D 00
4	Ax 3< #	-1.238620D-01	1.395048D-01	-7.239141D-03
5	Ax 4< #	8.015373D 01	2.818451D 00	2.663776D-01
6	Ax 5< #	4.857145D 00	2.635907D-03	-1.158950D-02
7	Ax 6< #	3.068760D 00	5.934950D-02	5.272100D-02
8	Ax 7< #	-2.283102D 00	-3.040612D-02	-2.140975D-02
9	Ax 8< #	1.303624D 00	7.207246D-02	7.615429D-03
10	Ax 9< #	-7.496832D-01	6.321207D-02	-5.864796D-03
11	Ax 10< #	4.339795D-01	4.512295D-02	-1.021704D-02
12	Ax 11< #	-2.544042D-01	1.893227D-02	-4.386144D-03
13	Ax 12< #	1.524556D-01	3.228984D-02	-3.854271D-03
14	Ax 13< #	-6.060469D-02	-4.313957D-03	-6.422753D-04
15	Ax 14< #	1.628179D-02	2.803431D-03	3.602690D-04
16	Ax 15< #	-1.051534D-02	4.032284D-03	-1.609999D-04
17	Ax 16< #	5.306629D-03	3.372764D-03	-2.243415D-04
18	Ax 17< #	2.671434D-03	-2.433655D-03	-6.060590D-05
19	Ax 18< #	1.392173D-03	1.591807D-03	2.520388D-05
20	Ax 19< #	-7.249243D-04	-9.843596D-04	-3.404980D-05
21	Ax 20< #	3.697325D-04	5.692393D-04	2.770214D-05
22	Ax 21< #	-1.681769D-04	-2.826019D-04	-1.727078D-05
23	Ax 22< #	5.988539D-05	1.063408D-04	7.962318D-06
24	Ax 23< #	-4.006465D-07	-9.568709D-07	-1.705070D-06
25	Ax 24< #	7.398246D-07	6.963509D-07	6.192291D-07

E = 2.34 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	Ax 0< #	6.705430D 01	1.134244D 01	1.166676D 01
2	Ax 1< #	-1.113741D 01	-1.029200D 00	-5.535676D-02
3	Ax 2< #	9.719839D 01	-9.984014D-01	4.815523D 00
4	Ax 3< #	-1.157464D 01	1.750436D-01	-7.504169D-03
5	Ax 4< #	8.557362D 01	3.125372D 00	2.876598D-01
6	Ax 5< #	3.999865D 00	-1.071024D-02	-9.628860D-03
7	Ax 6< #	2.607639D 00	5.251786D-02	4.451931D-02
8	Ax 7< #	2.006683D 00	-2.799040D-02	-1.797951D-02
9	Ax 8< #	1.168447D 00	6.144275D-02	6.410685D-03
10	Ax 9< #	-6.822931D-01	-5.329918D-02	-4.939200D-03
11	Ax 10< #	4.010131D-01	3.716676D-02	-8.597756D-03
12	Ax 11< #	2.386704D-01	-1.392421D-02	-3.690196D-03
13	Ax 12< #	1.467088D-01	2.885684D-02	-3.215692D-03
14	Ax 13< #	6.092429D-02	-4.404115D-03	-5.769767D-04
15	Ax 14< #	1.836053D-02	3.039084D-03	3.067337D-04
16	Ax 15< #	-1.095095D-02	4.064216D-03	-1.627318D-04
17	Ax 16< #	5.524463D-03	3.402845D-03	-2.267184D-04
18	Ax 17< #	2.780503D-03	-2.457913D-03	-6.146926D-05
19	Ax 18< #	1.444617D-03	1.609870D-03	2.521744D-05
20	Ax 19< #	-7.497781D-04	-9.957494D-04	-3.445652D-05
21	Ax 20< #	3.809550D-04	5.756953D-04	2.811480D-05
22	Ax 21< #	1.726384D-04	-2.856291D-04	-1.752409D-05
23	Ax 22< #	6.123183D-05	1.073960D-04	8.050599D-06
24	Ax 23< #	-3.630558D-07	-9.430997D-07	-1.684669D-06
25	Ax 24< #	6.48125D-07	6.604611D-07	6.109266D-07

ORIGINAL PAGE IS  
OF POOR QUALITY

E = 2.36 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	6.964888D 01	1.231988D 01	1.263932D 01
2	AX 1< #	1.0275586D-01	-7.845812D-01	-6.732368D-02
3	AX 2< #	1.120714D 02	-1.488110D 00	5.216144D 00
4	AX 3< #	-9.802161D 00	2.123745D-01	-7.587539D-03
5	AX 4< #	8.972378D 01	3.406765D 00	3.054450D-01
6	AX 5< #	2.0870642D 00	-2.759276D-02	-7.094608D-03
7	AX 6< #	2.0000875D 00	4.354587D-02	3.386962D-02
8	AX 7< #	1.641497D 00	-2.436340D-02	-1.354043D-02
9	AX 8< #	9.884321D-01	4.772566D-02	4.852886D-03
10	AX 9< #	5.915416D-01	-4.051234D-02	-3.729743D-03
11	AX 10< #	3.558813D-01	2.692755D-02	-6.485073D-03
12	AX 11< #	2.167904D-01	-7.523110D-03	-2.768083D-03
13	AX 12< #	1.381215D-01	2.441925D-02	-2.372158D-03
14	AX 13< #	-6.048968D-02	-4.490161D-03	-4.968632D-04
15	AX 14< #	2.045916D-02	3.319791D-03	2.412963D-04
16	AX 15< #	-1.139400D-02	4.096162D-03	-1.644657D-04
17	AX 16< #	5.746153D-03	3.432996D-03	-2.290997D-04
18	AX 17< #	2.891612D-03	-2.482266D-03	-5.233898D-05
19	AX 18< #	1.498119D-03	1.628040D-03	2.522610D-05
20	AX 19< #	7.751853D-04	-1.007217D-03	-3.486478D-05
21	AX 20< #	3.924619D-04	5.821983D-04	2.852994D-05
22	AX 21< #	1.772400D-04	-2.886817D-04	-1.777943D-05
23	AX 22< #	6.264299D-05	1.084643D-04	8.139959D-06
24	AX 23< #	-3.002301D-07	8.944614D-07	-1.664439D-06
25	AX 24< #	5.973351D-07	6.261547D-07	6.026902D-07

E = 2.38 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	7.151331D 01	1.3145561D 01	1.343068D 01
2	AX 1< #	1.458919D 01	-5.086938D-01	7.914559D-02
3	AX 2< #	1.257775D 02	-1.999482D 00	5.541950D 00
4	AX 3< #	-7.733484D 00	2.494858D-01	-7.454943D-03
5	AX 4< #	9.216986D 01	3.641846D 00	3.181555D-01
6	AX 5< #	1.6500178D 00	-4.751371D-02	-4.052332D-03
7	AX 6< #	1.265394D 00	3.270479D-02	2.108671D-02
8	AX 7< #	1.197956D 00	-2.114165D-02	-8.225800D-03
9	AX 8< #	7.686850D-01	3.134612D-02	2.989131D-03
10	AX 9< #	4.799463D-01	-2.524335D-02	-2.270740D-03
11	AX 10< #	2.997791D-01	1.471799D-02	-3.939600D-03
12	AX 11< #	1.893213D-01	-7.378043D-05	-1.644122D-03
13	AX 12< #	1.268759D-01	1.911840D-02	-1.346151D-03
14	AX 13< #	5.928152D-02	-4.565854D-03	-4.051852D-04
15	AX 14< #	2.248963D-02	3.634590D-03	1.665388D-04
16	AX 15< #	1.184452D-02	-4.128115D-03	-1.662010D-04
17	AX 16< #	5.971725D-03	3.463213D-03	-2.314852D-04
18	AX 17< #	3.004777D-03	-2.506714D-03	-6.321579D-05
19	AX 18< #	1.552688D-03	1.646317D-03	2.522929D-05
20	AX 19< #	8.011506D-04	-1.010763D-03	-3.527324D-05
21	AX 20< #	4.042569D-04	5.887499D-04	2.894766D-05
22	AX 21< #	1.819843D-04	-2.917617D-04	-1.803696D-05
23	AX 22< #	6.411963D-05	1.095459D-04	8.230385D-06
24	AX 23< #	-2.119106D-07	-3.509959D-07	-1.644365D-06
25	AX 24< #	5.375052D-07	5.934608D-07	5.945235D-07

		E = 2.40 eV, j = 5	j' = j	j' = j + 2	j' = j + 4
1	A%	0< #	7.249024D 01	1.375838D 01	1.397849D 01
2	A%	1< #	1.655273D 01	-2.468974D-01	9.011013D-02
3	A%	2< #	1.3738000 02	-2.602620D 00	9.767145D 00
4	A%	3< #	-5.479178D 00	2.840987D-01	7.4095168D-03
5	A%	4< #	9.262902D 01	3.812725D 00	3.246268D-01
6	A%	5< #	-4.642625D-02	-6.953127D-02	-6.794810D-04
7	A%	6< #	4.370382D-01	2.053743D-02	6.783358D-03
8	A%	7< #	6.578585D-01	-1.703355D-02	-2.296372D-03
9	A%	8< #	5.196371D-01	1.311445D-02	9.085334D-04
10	A%	9< #	3.528534D-01	-8.245217D-03	-6.328062D-04
11	A%	10< #	2.353744D-01	1.138388D-03	-1.084292D-03
12	A%	11< #	1.575578D-01	-8.494504D-03	-3.710185D-04
13	A%	12< #	1.134947D-01	1.322166D-02	-1.869807D-04
14	A%	13< #	5.736635D-02	-4.625142D-03	-3.467235D-04
15	A%	14< #	2.435770D-02	3.966813D-03	8.662725D-05
16	A%	15< #	1.230274D-02	-4.160246D-03	-1.676754D-04
17	A%	16< #	6.200516D-03	3.493636D-03	-2.336363D-04
18	A%	17< #	3.119741D-03	2.531204D-03	-6.414007D-05
19	A%	18< #	1.608336D-03	1.664655D-03	2.519551D-05
20	A%	19< #	8.276786D-04	-1.030388D-03	-3.568267D-05
21	A%	20< #	4.163428D-04	5.953513D-04	2.936778D-05
22	A%	21< #	1.868722D-04	-2.948687D-04	1.829664D-05
23	A%	22< #	6.566303D-05	1.106418D-04	8.321954D-06
24	A%	23< #	-9.779589D-08	-8.127685D-07	-1.624446D-06
25	A%	24< #	4.854342D-07	5.624081D-07	5.864303D-07

		E = 2.42 eV, j = 5	j' = j	j' = j + 2	j' = j + 4
1	A%	0< #	7.252276D 01	1.411965D 01	1.424673D 01
2	A%	1< #	1.854662D 01	-7.245891D-02	9.944325D-02
3	A%	2< #	1.461473D 02	-2.966714D 00	5.877287D 00
4	A%	3< #	-3.179034D 00	-3.141749D-01	6.519297D-03
5	A%	4< #	9.104835D 01	3.908381D 00	3.244020D-01
6	A%	5< #	-1.678920D 00	-9.238383D-02	-2.851315D-03
7	A%	6< #	-4.363235D-01	7.792848D-03	-8.150637D-03
8	A%	7< #	1.707125D-01	-1.286487D-02	-3.896575D-03
9	A%	8< #	2.570596D-01	-5.871019D-03	-1.256985D-03
10	A%	9< #	2.181775D-01	-9.466252D-03	-1.088777D-03
11	A%	10< #	1.666935D-01	-1.300374D-02	1.912933D-03
12	A%	11< #	1.235076D-01	-1.724956D-02	9.769179D-04
13	A%	12< #	9.884651D-02	7.088184D-03	1.039965D-03
14	A%	13< #	5.492701D-02	-4.663993D-03	-2.084985D-04
15	A%	14< #	2.599655D-02	4.296282D-03	6.403446D-06
16	A%	15< #	1.276620D-02	4.192211D-03	-1.694144D-04
17	A%	16< #	6.433840D-03	3.523987D-03	-2.360275D-04
18	A%	17< #	3.237021D-03	-2.555842D-03	-6.503086D-05
19	A%	18< #	1.665044D-03	1.683146D-03	2.518793D-05
20	A%	19< #	8.547679D-04	-1.042089D-03	-3.609139D-05
21	A%	20< #	4.287186D-04	6.019995D-04	2.979022D-05
22	A%	21< #	-1.919040D-04	-2.980021D-04	-1.855840D-05
23	A%	22< #	6.727315D-05	1.117513D-04	8.414631D-06
24	A%	23< #	4.247818D-08	-7.798983D-07	-1.604718D-06
25	A%	24< #	4.412319D-07	5.330249D-07	5.784143D-07

		$E = 2.44 \text{ eV}, j = 5$	$j' = j$	$j' = j + 2$	$j' = j + 4$
1		AX 0< # 7.166651D 01	1.422170D 01	1.423352D 01	
2		AX 1< # -2.046690D-01	-3.420449D-01	-1.067683D-01	
3		AX 2< # 1.517044D 02	-3.366763D 00	5.871272D 00	
4		AX 3< # -9.740146D-01	3.381827D-01	-5.770618D-03	
5		AX 4< # 8.761482D 01	3.927005D 00	3.178209D-01	
6		AX 5< # -3.295447D 00	-1.147581D-01	-6.322509D-03	
7		AX 6< # -1.301659D 00	-4.760037D-03	-2.284972D-02	
8		AX 7< # -3.511991D-01	-8.728530D-03	-9.981558D-03	
9		AX 8< # -3.367720D-03	-2.447140D-02	-3.383491D-03	
10		AX 9< # -8.415313D-02	-2.633038D-02	-2.790191D-03	
11		AX 10< # 9.797163D-02	-2.686510D-02	4.872392D-03	
12		AX 11< # -3.928406D-02	-2.579404D-02	-2.319403D-03	
13		AX 12< # 3.387414D-02	1.090348D-03	2.260141D-03	
14		AX 13< # -5.218021D-02	-4.680257D-03	-1.161357D-04	
15		AX 14< # 2.735890D-02	4.603972D-03	-6.917026D-05	
16		AX 15< # -1.323917D-02	-4.224196D-03	-1.711474D-04	
17		AX 16< # 6.671050D-03	3.554408D-03	-2.384230D-04	
18		AX 17< # -3.356370D-03	-2.580578D-03	-6.592861D-05	
19		AX 18< # 1.722828D-03	1.701747D-03	2.517476D-05	
20		AX 19< # -8.824216D-04	-1.053868D-03	-3.650087D-05	
21		AX 20< # 4.413873D-04	6.086975D-04	3.021510D-05	
22		AX 21< # -1.970814D-04	-3.011634D-04	-1.882239D-05	
23		AX 22< # 6.895018D-05	1.128738D-04	8.508443D-06	
24		AX 23< # -2.092292D-07	-7.524768D-07	-1.585203D-06	
25		AX 24< # 4.050071D-07	5.053393D-07	5.704791D-07	

		$E = 2.46 \text{ eV}, j = 5$	$j' = j$	$j' = j + 2$	$j' = j + 4$
1		AX 0< # 7.007135D 01	1.408654D 01	1.396857D 01	
2		AX 1< # 2.222855D-01	-5.782810D-01	-1.118526D-01	
3		AX 2< # 1.540713D 02	-3.667160D 00	5.761506D 00	
4		AX 3< # 1.019045D 00	-3.554732D-01	-4.902621D-03	
5		AX 4< # 8.270560D 01	3.875565D 00	3.058963D-01	
6		AX 5< # -4.820903D 00	-1.365179D-01	-9.548369D-03	
7		AX 6< # -2.112283D 00	-1.643469D-02	-3.653021D-02	
8		AX 7< # -8.394030D-01	-5.035944D-03	-1.563472D-02	
9		AX 8< # -2.472710D-01	-4.169374D-02	-5.357507D-03	
10		AX 9< # -4.173153D-02	-4.292315D-02	-4.380570D-03	
11		AX 10< # 3.310322D-02	-3.971135D-02	7.635925D-03	
12		AX 11< # -5.685278D-02	-3.370589D-02	-3.583982D-03	
13		AX 12< # 6.948431D-02	-4.448591D-03	3.408110D-03	
14		AX 13< # 4.936512D-02	-4.674775D-03	-3.451592D-05	
15		AX 14< # 2.843783D-02	4.874988D-03	-1.362284D-04	
16		AX 15< # -1.371967D-02	-4.256193D-03	-1.728849D-04	
17		AX 16< # 6.912153D-03	3.584897D-03	-2.408247D-04	
18		AX 17< # 3.477795D-03	-2.605414D-03	-6.683336D-05	
19		AX 18< # 1.781694D-03	1.720459D-03	2.515618D-05	
20		AX 19< # 9.106440D-04	-1.065729D-03	-3.691101D-05	
21		AX 20< # 4.543512D-04	6.154467D-04	3.064267D-05	
22		AX 21< # -2.024052D-04	-3.043524D-04	-1.908853D-05	
23		AX 22< # 7.069548D-05	1.140107D-04	8.603396D-06	
24		AX 23< # -4.027505D-07	-7.305780D-07	-1.565908D-06	
25		AX 24< # 3.768669D-07	4.793788D-07	5.626283D-07	

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E = 2.48 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	6.793996D 01	1.375745D 01	1.350309D 01
2	A% 1< #	2.377702D-01	-7.733036D-01	-1.147625D-01
3	A% 2< #	1.535988D 02	-3.923209D 00	5.569136D 00
4	A% 3< #	2.724519D 00	3.661934D-01	-3.973649D-03
5	A% 4< #	7.679066D 01	3.767235D 00	2.900396D-01
6	A% 5< #	-6.180753D 00	-1.538813D-01	-1.240035D-02
7	A% 6< #	-2.834849D 00	-2.674890D-02	-4.864211D-02
8	A% 7< #	-1.273591D 00	-1.879941D-03	-2.062971D-02
9	A% 8< #	-4.643455D-01	-5.685182D-02	-7.100207D-03
10	A% 9< #	-1.540584D-01	-5.710463D-02	-5.795383D-03
11	A% 10< #	-2.505411D-02	-5.103503D-02	1.009167D-02
12	A% 11< #	2.767240D-02	-4.067108D-02	-4.718292D-03
13	A% 12< #	5.637598D-02	-9.306400D-03	4.436590D-03
14	A% 13< #	4.668991D-02	-4.650380D-03	-3.343518D-05
15	A% 14< #	2.925844D-02	5.100625D-03	-1.924065D-04
16	A% 15< #	1.420772D-02	4.288203D-03	-1.746254D-04
17	A% 16< #	7.157155D-03	3.615452D-03	-2.432321D-04
18	A% 17< #	3.601301D-03	-2.630348D-03	-6.774475D-05
19	A% 18< #	1.841646D-03	1.739279D-03	2.513244D-05
20	A% 19< #	9.394365D-04	-1.077668D-03	3.732177D-05
21	A% 20< #	4.676114D-04	6.222459D-04	3.107270D-05
22	A% 21< #	2.078766D-04	-3.075696D-04	-1.935678D-05
23	A% 22< #	7.250928D-05	1.151616D-04	8.699501D-06
24	A% 23< #	6.233316D-07	-7.142752D-07	-1.546844D-06
25	A% 24< #	3.569172D-07	4.551707D-07	5.548655D-07

E = 2.50 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	6.548334D 01	1.328714D 01	1.289663D 01
2	A% 1< #	2.509106D-01	-5.250072D-C1	-1.159313D-01
3	A% 2< #	1.508369D 02	-4.079387D 00	5.318686D 00
4	A% 3< #	4.110739D 00	-3.710700D-C1	-3.016332D-C3
5	A% 4< #	7.033644D 01	3.617873D 00	2.717468D-C1
6	A% 5< #	-7.345490D 00	-1.694664D-01	-1.481528D-C2
7	A% 6< #	-3.451661D 00	-3.545535D-02	-5.890396D-02
8	A% 7< #	-1.643023D 00	-6.715435D-04	-2.485236D-02
9	A% 8< #	-6.490833D-01	-6.960742D-02	-8.572233D-03
10	A% 9< #	-2.498780D-C1	-6.965824D-02	-7.000720D-C3
11	A% 10< #	-7.490211D-02	-6.058533D-02	1.218141D-C2
12	A% 11< #	2.575846D-03	-4.653652D-C2	5.694005D-03
13	A% 12< #	4.497542D-02	-1.337472D-C2	5.319858D-03
14	A% 13< #	4.430539D-02	-4.610945D-C3	-8.677393D-05
15	A% 14< #	2.986653D-02	5.278329D-03	-2.368734D-04
16	A% 15< #	1.470338D-C2	-4.320234D-03	-1.763587D-C4
17	A% 16< #	7.406069D-03	3.646072D-03	-2.456430D-04
18	A% 17< #	3.726896D-03	-2.655379D-C3	-6.866241D-C5
19	A% 18< #	1.902686D-C3	1.758209D-03	2.510331D-C5
20	A% 19< #	9.688015D-C4	1.089687D-03	3.773280D-C5
21	A% 20< #	4.811690D-04	6.290946D-04	3.150503D-C5
22	A% 21< #	2.134958D-C4	-3.108135D-C4	1.962710D-05
23	A% 22< #	7.439171D-05	1.163258D-C4	8.796731D-06
24	A% 23< #	8.712588D-C7	-7.036466D-07	-1.528019D-06
25	A% 24< #	3.452628D-07	4.327420D-C7	5.471941D-C7

E = 2.52 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	6.288761D 01	1.272742D 01	1.220621D 01
2	A% 1< #	2.617110D 01	4.036052D 00	-1.150492D-01
3	A% 2< #	1.463966D 02	-4.165902D 00	5.033791D 00
4	A% 3< #	5.181404D 00	3.714567D-01	-2.150369D-03
5	A% 4< #	6.373802D 01	3.442365D 00	2.523223D-01
6	A% 5< #	-8.307334D 06	-1.822795D-01	-1.677354D-02
7	A% 6< #	-3.958588D 00	-4.250773D-02	-6.726897D-02
8	A% 7< #	-1.945245D 00	-2.622253D-03	-2.828579D-02
9	A% 8< #	-8.001438D-01	-7.991820D-02	-9.767289D-03
10	A% 9< #	-3.284021D-01	-7.874001D-02	-7.989420D-03
11	A% 10< #	-1.159579D-01	-6.832769D-02	1.389305D-02
12	A% 11< #	-1.816404D-02	-5.128635D-02	-6.502765D-03
13	A% 12< #	3.545668D-02	-1.664034D-02	6.051977D-03
14	A% 13< #	4.230101D-02	-4.560929D-03	-1.257789D-04
15	A% 14< #	3.031640D-02	5.410419D-03	-2.701170D-04
16	A% 15< #	1.520661D-02	4.352196D-03	-1.781314D-04
17	A% 16< #	7.658905D-03	3.676756D-03	-2.480643D-04
18	A% 17< #	3.854587D-03	-2.680509D-03	-6.958732D-05
19	A% 18< #	1.964821D-03	1.777248D-03	2.506870D-05
20	A% 19< #	9.987430D-04	-1.101785D-03	-3.814422D-05
21	A% 20< #	4.950266D-04	6.359942D-04	3.193989D-05
22	A% 21< #	2.192649D-04	-3.140861D-04	-1.889959D-05
23	A% 22< #	7.634447D-05	1.175052D-04	8.895167D-06
24	A% 23< #	1.146832D-06	-6.987483D-07	-1.506445D-06
25	A% 24< #	3.420081D-07	4.121195D-07	5.396189D-07

E = 2.54 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	6.029658D 01	1.212250D 01	1.147911D 01
2	A% 1< #	2.704241D 01	-1.108961D 00	-1.133200D-01
3	A% 2< #	1.408511D 02	-4.195905D 00	4.733816D 00
4	A% 3< #	5.966281D 00	3.680132D-01	-1.296948D-03
5	A% 4< #	5.729024D 01	3.255363D 00	2.328259D-01
6	A% 5< #	-9.076515D 00	-1.924223D-01	-1.831841D-02
7	A% 6< #	-4.361957D 00	-4.801134D-02	-7.385689D-02
8	A% 7< #	-2.184147D 00	-4.015500D-03	-3.098085D-02
9	A% 8< #	-9.194085D-01	-8.794606D-02	-1.070374D-02
10	A% 9< #	-3.905239D-01	-8.630414D-02	-8.775047D-03
11	A% 10< #	-1.486181D-01	-7.438714D-02	1.525042D-02
12	A% 11< #	-3.471941D-02	-5.500019D-02	-7.154095D-03
13	A% 12< #	2.778445D-02	-1.916092D-02	6.640034D-03
14	A% 13< #	4.070742D-02	-4.503920D-03	-1.523838D-04
15	A% 14< #	3.065982D-02	5.502131D-03	-2.932522D-04
16	A% 15< #	1.571753D-02	4.384251D-03	-1.798809D-04
17	A% 16< #	7.915672D-03	3.707503D-03	-2.504893D-04
18	A% 17< #	3.984377D-03	-2.705736D-03	-7.051840D-05
19	A% 18< #	2.028051D-03	1.796396D-03	2.502883D-05
20	A% 19< #	1.029261D-03	-1.113962D-03	-3.855607D-05
21	A% 20< #	5.091844D-04	6.429428D-04	3.237711D-05
22	A% 21< #	2.251838D-04	-3.173861D-04	-2.017416D-05
23	A% 22< #	7.836677D-05	1.186977D-04	8.994718D-06
24	A% 23< #	1.450297D-06	-6.996640D-07	-1.491126D-06
25	A% 24< #	3.472535D-07	3.933293D-07	5.321408D-07

E = 2.56 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.781037D 01	1.150634D 01	1.075094D 01
2	A% 1< #	2.773334D 01	-3.152366D 00	-1.109036D 01
3	A% 2< #	1.346775D 02	-4.182455D 00	4.433482D 00
4	A% 3< #	6.503740D 00	-3.622623D 01	-5.369738D 04
5	A% 4< #	5.118618D 01	3.065276D 00	2.140130D 01
6	A% 5< #	-9.675449D 00	-2.003844D 01	-1.949554D 02
7	A% 6< #	-4.671953D 00	-5.198927D 02	-7.879981D 02
8	A% 7< #	-2.366473D 00	-4.937598D 03	-3.302672D 02
9	A% 8< #	-1.009908D 00	-9.404547D 02	-1.139981D 02
10	A% 9< #	-4.380795D 01	-9.201011D 02	-3.380536D 03
11	A% 10< #	-1.737799D 01	-7.897011D 02	1.629386D 02
12	A% 11< #	-4.752580D 02	-5.780714D 02	-7.664792D 03
13	A% 12< #	2.179657D 02	-2.102715D 02	7.099605D 03
14	A% 13< #	3.951374D 02	-4.445935D 03	-1.684240D 04
15	A% 14< #	3.093882D 02	5.561216D 03	-3.078075D 04
16	A% 15< #	1.623437D 02	4.417009D 03	-1.814218D 04
17	A% 16< #	8.175738D 03	3.738857D 03	-2.527292D 04
18	A% 17< #	4.115947D 03	-2.731079D 03	-7.146590D 05
19	A% 18< #	2.092333D 03	1.815623D 03	2.497390D 05
20	A% 19< #	1.060363D 03	-1.126222D 03	-3.896828D 05
21	A% 20< #	5.236468D 04	6.499447D 04	3.281686D 05
22	A% 21< #	2.312551D 04	-3.207160D 04	-2.045097D 05
23	A% 22< #	8.046063D 05	1.199059D 04	9.095537D 06
24	A% 23< #	1.781966D 06	-7.064624D 07	-1.473073D 06
25	A% 24< #	3.611021D 07	3.763970D 07	5.247648D 07

E = 2.58 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.548966D 01	1.090284D 01	1.004598D 01
2	A% 1< #	2.827691D 01	-1.171524D 00	-1.078420D 01
3	A% 2< #	1.282424D 02	-4.137289D 00	4.142780D 00
4	A% 3< #	6.840483D 00	-3.546136D 01	-1.766248D 04
5	A% 4< #	4.553507D 01	2.879718D 00	1.962642D 01
6	A% 5< #	-1.012837D 01	-2.063064D 01	-2.036111D 02
7	A% 6< #	-4.905204D 00	-5.496660D 02	-8.249724D 02
8	A% 7< #	-2.501462D 00	-5.453728D 03	-3.452603D 02
9	A% 8< #	-1.076805D 00	-9.840106D 02	-1.191726D 02
10	A% 9< #	-4.730649D 01	-9.615782D 02	-9.833584D 03
11	A% 10< #	-1.924370D 01	-8.231457D 02	1.707223D 02
12	A% 11< #	-5.705530D 02	-5.985497D 02	-8.055147D 03
13	A% 12< #	1.730286D 02	-2.234886D 02	7.450620D 03
14	A% 13< #	3.870120D 02	-4.382673D 03	-1.758231D 04
15	A% 14< #	3.119494D 02	5.591326D 03	-3.155376D 04
16	A% 15< #	-1.676061D 02	4.449118D 03	-1.831748D 04
17	A% 16< #	8.440383D 03	3.769749D 03	-2.551638D 04
18	A% 17< #	4.249947D 03	-2.756509D 03	-7.240986D 05
19	A% 18< #	2.157765D 03	1.834994D 03	2.492353D 05
20	A% 19< #	1.092046D 03	-1.138560D 03	-3.938091D 05
21	A% 20< #	5.384119D 04	6.569945D 04	3.325891D 05
22	A% 21< #	2.374777D 04	-3.240724D 04	-2.072979D 05
23	A% 22< #	8.262538D 05	1.211278D 04	9.197489D 06
24	A% 23< #	2.142094D 06	-7.192098D 07	-1.455293D 06
25	A% 24< #	3.836527D 07	3.613482D 07	5.174928D 07

E = 2.60 eV, j = 5

j' = j

1	A% 0< #	5.336567D 01
2	A% 1< #	2.870327D 01
3	A% 2< #	1.218073D 02
4	A% 3< #	7.016332D 00
5	A% 4< #	4.038331D 01
6	A% 5< #	-1.046190D 01
7	A% 6< #	-5.074433D 00
8	A% 7< #	-2.597357D 00
9	A% 8< #	-1.123962D 00
10	A% 9< #	-4.577585D-01
11	A% 10< #	-2.057429D-01
12	A% 11< #	-6.388273D-02
13	A% 12< #	1.405950D-02
14	A% 13< #	3.822200D-02
15	A% 14< #	3.145113D-02
16	A% 15< #	1.729460D-02
17	A% 16< #	8.709011D-03
18	A% 17< #	4.386075D-03
19	A% 18< #	2.224312D-03
20	A% 19< #	1.124319D-03
21	A% 20< #	5.534854D-04
22	A% 21< #	2.438547D-04
23	A% 22< #	8.486239D-05
24	A% 23< #	2.530969D-06
25	A% 24< #	4.150047D-07

j' = j + 2

j' = j + 4

1	1.032723D 01	9.379065D 00
2	-1.171985D 00	-1.046964D-01
3	-4.070219D 00	3.867812D 00
4	-3.459746D-01	-8.481297D-04
5	2.703055D 00	1.798571D-01
6	-2.106706D-01	-2.097591D-02
7	-5.700482D-02	-8.511916D-02
8	-5.651309D-03	-3.558035D-02
9	-1.013966D-01	-1.227966D-02
10	-9.504100D-02	-1.016185D-02
11	-8.465470D-02	1.763398D-02
12	-6.128822D-02	8.346887D-03
13	-2.322842D-02	7.711930D-03
14	-4.320311D-03	-1.765550D-04
15	5.601170D-03	-3.173487D-04
16	-4.481255D-03	-1.649211D-04
17	3.800714D-03	-2.576036D-04
18	-2.782044D-03	-7.336084D-05
19	1.854480D-03	2.486754D-05
20	-1.150983D-03	3.979396D-05
21	6.640983D-04	3.370352D-05
22	-3.274590D-04	2.101084D-05
23	1.223648D-04	9.300667D-06
24	-7.379757D-07	-1.437792D-06
25	3.482064D-07	5.103260D-07

E = 2.70 eV, j = 5

j' = j

1	A% 0< #	4.568731D 01
2	A% 1< #	2.585139D 01
3	A% 2< #	9.376981D 01
4	A% 3< #	6.543270D 00
5	A% 4< #	2.157771D 01
6	A% 5< #	-1.105127D 01
7	A% 6< #	-5.343504D 00
8	A% 7< #	-2.724621D 00
9	A% 8< #	-1.181109D 00
10	A% 9< #	-5.274207D-01
11	A% 10< #	-2.229822D-01
12	A% 11< #	-7.291654D-02
13	A% 12< #	9.827946D-03
14	A% 13< #	3.934381D-02
15	A% 14< #	3.317841D-02
16	A% 15< #	2.008077D-02
17	A% 16< #	1.011206D-02
18	A% 17< #	5.098737D-03
19	A% 18< #	2.573828D-03
20	A% 19< #	1.294561D-03
21	A% 20< #	6.334950D-04
22	A% 21< #	2.780729D-04
23	A% 22< #	9.714526D-05
24	A% 23< #	4.915314D-06
25	A% 24< #	7.071330D-07

j' = j + 2

j' = j + 4

1	8.039603D 00	6.756151D 00
2	-1.025972D 00	8.774884D-02
3	-3.616327D 00	2.786967D 00
4	-3.018579D-01	-3.198790D-03
5	2.000284D 00	1.182178D-01
6	-2.188511D-01	-2.180450D-02
7	-5.883457D-02	-8.868614D-02
8	-3.892865D-03	-3.691830D-02
9	-1.044015D-01	-1.271946D-02
10	-1.023150D-01	-1.068801D-02
11	-8.751456D-02	1.850618D-02
12	-6.306654D-02	8.907106D-03
13	-2.374974D-02	8.207699D-03
14	-4.033436D-03	-1.256643D-04
15	5.477048D-03	-2.857226D-04
16	-4.642214D-03	-1.937445D-04
17	3.956565D-03	-2.699025D-04
18	-2.911225D-03	-7.821908D-05
19	1.953581D-03	2.450491D-05
20	-1.214309D-03	4.186351D-05
21	7.003836D-04	3.596184D-05
22	-3.448263D-04	2.244815D-05
23	1.287735D-04	9.834827D-06
24	-9.243889D-07	1.354850D-06
25	3.120279D-07	4.762511D-07

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E = 2.80 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.163282D 01	6.627805D 00	5.130344D 00
2	A% 1< #	3.044437D 01	8.118187D-01	7.410669D-02
3	A% 2< #	7.438480D 01	-3.195263D 00	2.117628D 00
4	A% 3< #	5.304031D 00	-2.678003D-01	-4.812888D-03
5	A% 4< #	1.090350D 01	1.561254D 00	8.212724D-02
6	A% 5< #	-1.091392D 01	-2.185065D-01	-2.121137D-02
7	A% 6< #	-5.226431D 00	-5.524279D-02	-8.608003D-02
8	A% 7< #	-2.616202D 00	-4.787734D-04	-3.572780D-02
9	A% 8< #	-1.117455D 00	-9.985141D-02	-1.228063D-02
10	A% 9< #	-4.926515D-01	-9.854901D-02	-1.048119D-02
11	A% 10< #	-2.056229D-01	-8.480278D-02	1.811093D-02
12	A% 11< #	-6.400905D-02	-6.147141D-02	8.860096D-03
13	A% 12< #	1.471232D-02	-2.185189D-02	8.156547D-03
14	A% 13< #	4.360358D-02	-3.790815D-03	-4.754292D-05
15	A% 14< #	3.591721D-02	5.263006D-03	-2.309937D-04
16	A% 15< #	2.306274D-02	-4.803739D-03	-2.026164D-04
17	A% 16< #	1.161591D-02	4.114224D-03	-2.823454D-04
18	A% 17< #	5.865329D-03	-3.042976D-03	-8.324714D-05
19	A% 18< #	2.951679D-03	2.055514D-03	2.400280D-05
20	A% 19< #	1.479833D-03	1.279701D-03	4.393933D-05
21	A% 20< #	7.213939D-04	7.379841D-04	3.827973D-05
22	A% 21< #	3.162668D-04	3.629358D-04	2.393955D-05
23	A% 22< #	1.113061D-04	1.355642D-04	1.640012D-05
24	A% 23< #	8.056631D-06	1.271039D-06	1.280206D-06
25	A% 24< #	1.233424D-06	3.272340D-07	4.453604D-07

E = 2.90 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.958705D 01	5.771534D 00	4.113479D 00
2	A% 1< #	3.102624D 01	-6.116672D-01	-6.427783D-02
3	A% 2< #	6.144703D 01	-2.874162D 00	1.699511D 00
4	A% 3< #	4.055262D 00	-2.445561D-01	-5.770865D-03
5	A% 4< #	4.543205D 00	1.287818D 00	5.039502D-02
6	A% 5< #	-1.065042D 01	-2.171456D-01	-2.040443D-02
7	A% 6< #	-5.043408D 00	-5.088665D-02	-8.260824D-02
8	A% 7< #	-2.467194D 00	-3.078889D-03	-3.419969D-02
9	A% 8< #	-1.031770D 00	-9.441911D-02	-1.172762D-02
10	A% 9< #	-4.452156D-01	-8.396068D-02	-1.016068D-02
11	A% 10< #	-1.808231D-01	-8.145533D-02	1.752456D-02
12	A% 11< #	-5.095900D-02	-5.950537D-02	8.705617D-03
13	A% 12< #	2.219473D-02	-1.970065D-02	8.012265D-03
14	A% 13< #	4.913218D-02	-3.572459D-03	-2.904639D-05
15	A% 14< #	3.953248D-02	5.048848D-03	-1.778459D-04
16	A% 15< #	2.624249D-02	-4.965978D-03	-2.115941D-04
17	A% 16< #	1.322177D-02	4.273775D-03	-2.949270D-04
18	A% 17< #	6.686580D-03	-3.177358D-03	-8.844631D-05
19	A% 18< #	3.358334D-03	2.160329D-03	2.335951D-05
20	A% 19< #	1.680474D-03	-1.347201D-03	4.602027D-05
21	A% 20< #	8.173685D-04	7.769282D-04	4.065551D-05
22	A% 21< #	3.585502D-04	-3.818110D-04	2.548571D-05
23	A% 22< #	1.274105D-04	1.427541D-04	1.099781D-05
24	A% 23< #	1.198555D-05	-1.785659D-06	1.214823D-06
25	A% 24< #	2.005050D-06	3.966991D-07	4.180287D-07

E = 3.00 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.863224D 01	5.243899D 00	3.448312D 00
2	A% 1< #	3.170413D 01	4.367695D-01	5.685892D-02
3	A% 2< #	5.262651D 01	-2.636785D 00	1.426519D 00
4	A% 3< #	2.950646D 00	2.291509D-01	-6.615420D-03
5	A% 4< #	4.588634D-01	1.111678D 00	4.659236D-02
6	A% 5< #	-1.041723D-01	-2.167608D-01	-1.971687D-02
7	A% 6< #	-4.877062D 00	-4.685331D-02	-7.958980D-02
8	A% 7< #	-2.327601D 00	6.445734D-03	-3.286961D-02
9	A% 8< #	-9.496515D-01	-8.972554D-02	-1.124481D-02
10	A% 9< #	-3.987976D-01	-9.004558D-02	5.886132D-03
11	A% 10< #	-1.560280D-01	-7.663800D-02	1.702702D-02
12	A% 11< #	-3.761464D-02	-5.788172D-02	8.576775D-03
13	A% 12< #	3.030530D-02	-1.782332D-02	7.894958D-03
14	A% 13< #	5.527418D-02	-3.361406D-03	9.831272D-05
15	A% 14< #	4.384400D-02	4.846263D-03	-1.300552D-04
16	A% 15< #	2.962704D-02	5.128419D-03	-2.205603D-04
17	A% 16< #	1.493299D-02	4.435204D-03	-3.077279D-04
18	A% 17< #	7.564276D-03	3.314461D-03	-9.385852D-05
19	A% 18< #	3.794826D-03	2.268115D-03	2.256187D-05
20	A% 19< #	1.896951D-03	-1.416865D-03	4.810800D-05
21	A% 20< #	9.217473D-04	8.172548D-04	4.309831D-05
22	A% 21< #	4.050957D-04	4.014825D-04	2.708232D-05
23	A% 22< #	1.455390D-04	1.502559D-04	1.162523D-05
24	A% 23< #	1.673090D-05	2.475546D-06	1.159608D-06
25	A% 24< #	3.032542D-06	5.231396D-07	3.946043D-07

E = 3.40 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.902418D 01	4.549904D 00	2.255182D 00
2	A% 1< #	3.519493D 01	-9.118359D-02	3.842732D-02
3	A% 2< #	3.638618D 01	-2.147210D 00	9.403905D-01
4	A% 3< #	-1.833353D-01	-2.066338D-01	-9.903806D-03
5	A% 4< #	-7.345351D 00	8.243560D-01	2.222164D-02
6	A% 5< #	-1.004424D-01	-2.269559D-01	=1.659819D-02
7	A% 6< #	-4.505210D 00	-3.640668D-02	-7.373937D-02
8	A% 7< #	-1.939222D 00	-1.846084D-02	-3.014597D-02
9	A% 8< #	-6.590400D-01	-7.959827D-02	-1.023112D-02
10	A% 9< #	-2.480135D-01	-8.249903D-02	9.482254D-03
11	A% 10< #	-7.116313D-02	-7.397630D-02	1.623546D-02
12	A% 11< #	1.049543D-02	-5.523526D-02	8.578256D-03
13	A% 12< #	6.401069D-02	-1.327436D-02	7.898091D-03
14	A% 13< #	8.273487D-02	-2.449350D-03	3.223344D-04
15	A% 14< #	6.605848D-02	4.669901D-03	1.901703D-05
16	A% 15< #	4.518649D-02	5.784883D-03	-2.576400D-04
17	A% 16< #	2.281931D-02	5.100167D-03	-3.599190D-04
18	A% 17< #	1.163397D-02	3.889448D-03	-1.170975D-04
19	A% 18< #	5.838751D-03	2.728872D-03	1.793734D-05
20	A% 19< #	2.922933D-03	-1.717360D-03	5.644278D-05
21	A% 20< #	1.424361D-03	9.526500D-04	5.340967D-05
22	A% 21< #	6.348895D-04	4.883035D-04	3.404517D-05
23	A% 22< #	2.390916D-04	1.850898D-04	1.449745D-05
24	A% 23< #	4.440718D-05	7.121859D-06	1.057224D-06
25	A% 24< #	9.894610D-06	1.648504D-06	3.465199D-07

E = 3.80 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.147951D 01	4.6808050 00	1.8E93050 00
2	A% 1< #	3.921002D 01	-4.997435D-01	-2.496157D-02
3	A% 2< #	3.196606D 01	-1.9664800 00	7.8505550-01
4	A% 3< #	-2.141221D 00	2.047001D-01	-1.346119D-02
5	A% 4< #	-1.102129D 01	7.8142160-01	1.394259D-02
6	A% 5< #	-1.022802D-01	-2.467484D-01	-1.846413D-02
7	A% 6< #	-4.3977680 00	-3.162334D-02	-7.373476D-02
8	A% 7< #	-1.702118D 00	2.866289D-02	-2.973288D-02
9	A% 8< #	-5.112268D-01	-7.828156D-02	-1.106870D-02
10	A% 9< #	-1.233493D-01	-8.331445D-02	9.751212D-03
11	A% 10< #	4.038287D-03	-7.609061D-02	1.662828D-02
12	A% 11< #	5.645739D-02	-5.636668D-02	9.107858D-03
13	A% 12< #	1.012233D-01	-1.185560D-02	8.398055D-03
14	A% 13< #	1.141675D-01	-1.297424D-03	-5.129030D-04
15	A% 14< #	9.472211D-02	3.163888D-03	1.454454D-04
16	A% 15< #	6.411405D-02	-6.464801D-03	-2.939237D-04
17	A% 16< #	3.243300D-02	5.799904D-03	-4.141823D-04
18	A% 17< #	1.662684D-02	4.510651D-03	-1.431537D-04
19	A% 18< #	8.386302D-03	3.238896D-03	1.087137D-05
20	A% 19< #	4.217631D-03	2.054254D-03	6.471356D-05
21	A% 20< #	2.070928D-03	1.191684D-03	6.461355D-05
22	A% 21< #	5.389960D-04	-5.889737D-04	4.191411D-05
23	A% 22< #	3.687619D-04	2.272544D-04	1.796148D-05
24	A% 23< #	8.712841D-05	1.507339D-05	1.180111D-06
25	A% 24< #	2.157309D-05	3.871633D-06	3.852401D-07

E = 4.40 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.597918D 01	5.374163D 00	1.673997D 00
2	A% 1< #	4.532050D 01	-1.072406D 00	-2.107132D-03
3	A% 2< #	3.279998D 01	-1.861407D 00	7.247889D-01
4	A% 3< #	-3.944644D 00	1.992837D-01	-2.046465D-02
5	A% 4< #	-1.474350D 01	8.737444D-01	9.267613D-03
6	A% 5< #	-1.078975D 01	-2.860658D-01	-1.986951D-02
7	A% 6< #	-4.362752D 00	-3.1145800 02	-7.859983D-02
8	A% 7< #	-1.397517D 00	-4.290971D-02	-3.102715D-02
9	A% 8< #	-2.310572D-01	-8.482748D-02	-1.051701D-02
10	A% 9< #	7.542951D-02	-9.270914D-02	-1.073879D-02
11	A% 10< #	1.298493D-01	-8.588614D-02	1.824026D-02
12	A% 11< #	1.375542D-01	-6.129164D-02	-1.041018D-02
13	A% 12< #	1.705511D-01	-1.293075D-02	9.634265D-03
14	A% 13< #	-1.703035D-01	-9.761312D-04	-7.951775D-04
15	A% 14< #	1.488476D-01	1.322586D-03	3.362763D-04
16	A% 15< #	9.910529D-02	7.541912D-03	-3.514091D-04
17	A% 16< #	5.022142D-02	6.925708D-03	-4.993469D-04
18	A% 17< #	2.596460D-02	-5.534397D-03	-1.276578D-04
19	A% 18< #	1.317136D-02	4.100338D-03	-4.521874D-06
20	A% 19< #	6.690681D-03	-2.631004D-03	-7.684038D-05
21	A% 20< #	3.327734D-03	1.537041D-03	8.303568D-05
22	A% 21< #	1.544763D-03	-7.678096D-04	-5.545228D-05
23	A% 22< #	6.368070D-04	3.056705D-04	2.435444D-05
24	A% 23< #	1.8223800-04	-3.391036D-05	-1.875709D-06
25	A% 24< #	4.914868D-05	9.529240D-06	6.404999D-07

E = 5.00 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.068784D 01	6.337935D 00	1.658726D 00
2	A% 1< #	5.120343D-01	-1.679280D 00	-2.918261D-02
3	A% 2< #	3.773887D 01	-1.772304D 00	7.414283D-01
4	A% 3< #	-4.774924D-00	1.686056D-01	-2.922883D-02
5	A% 4< #	-1.768639D 01	1.064881D 00	7.767004D-03
6	A% 5< #	-1.140773D-01	-3.328520D-01	-2.175111D-02
7	A% 6< #	-4.264917D 00	-3.519436D-02	-8.619754D-02
8	A% 7< #	-1.024374D-00	5.728125D-02	-3.321295D-02
9	A% 8< #	1.139577D-01	-9.773388D-02	-1.134007D-02
10	A% 9< #	3.243802D-01	-1.083136D-01	1.205275D-02
11	A% 10< #	2.914311D-01	-1.007779D-01	2.045157D-02
12	A% 11< #	-2.445785D-01	-6.834891D-02	1.203217D-02
13	A% 12< #	2.616392D-01	-1.672265D-02	1.120187D-02
14	A% 13< #	-2.384360D-01	-3.962631D-03	-1.095803D-03
15	A% 14< #	2.164231D-01	-1.252507D-03	5.523842D-04
16	A% 15< #	-1.423560D-01	8.694857D-03	-4.084285D-04
17	A% 16< #	7.218867D-02	8.144451D-03	-5.888014D-04
18	A% 17< #	3.755951D-02	-6.672920D-03	-2.388804D-04
19	A% 18< #	1.918771D-02	5.082119D-03	-2.591429D-05
20	A% 19< #	9.833301D-03	-3.297266D-03	8.844234D-05
21	A% 20< #	4.948196D-03	1.941398D-03	1.033339D-04
22	A% 21< #	2.341690D-03	9.821659D-04	7.111426D-05
23	A% 22< #	9.996854D-04	4.036901D-04	3.228247D-05
24	A% 23< #	3.177701D-04	-6.184506D-05	-3.285434D-06
25	A% 24< #	8.995559D-05	1.827368D-05	1.171323D-06

E = 6.00 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.854844D 01	8.275224D 00	1.774992D 00
2	A% 1< #	-6.046861D-01	-2.861173D-00	-1.076758D-01
3	A% 2< #	5.087799D 01	-1.429830D 00	8.448616D-01
4	A% 3< #	-4.060551D-00	1.352341D-02	-4.791916D-02
5	A% 4< #	-2.148041D 01	1.551328D 00	8.846772D-03
6	A% 5< #	-1.204276D-01	-4.225994D-01	-2.537231D-02
7	A% 6< #	-3.673333D 00	-5.129112D-02	-1.018074D-01
8	A% 7< #	-8.049726D-02	-8.147726D-02	-3.745429D-02
9	A% 8< #	9.246071D-01	-1.296457D-01	-1.312085D-02
10	A% 9< #	-9.025104D-01	-1.446513D-01	-1.458794D-02
11	A% 10< #	6.713311D-01	-1.341221D-01	2.480606D-02
12	A% 11< #	5.000676D-01	-8.303212D-02	-1.512902D-02
13	A% 12< #	4.719748D-01	-2.796030D-02	1.429538D-02
14	A% 13< #	3.8660679D-01	-1.044389D-02	-1.659440D-03
15	A% 14< #	3.600212D-01	-7.327538D-03	9.929440D-04
16	A% 15< #	2.337315D-01	1.082626D-02	-5.041388D-04
17	A% 16< #	1.184042D-01	1.040067D-02	-7.465341D-04
18	A% 17< #	6.210578D-02	8.838901D-03	-3.393347D-04
19	A% 18< #	3.205736D-02	6.996523D-03	-7.550425D-05
20	A% 19< #	1.663741D-02	-4.615941D-03	1.061593D-04
21	A% 20< #	8.505924D-03	2.753613D-03	1.411710D-04
22	A% 21< #	-4.123380D-03	1.423596D-03	-1.020400D-04
23	A% 22< #	1.831457D-03	6.140775D-04	4.915142D-05
24	A% 23< #	6.413406D-04	-1.306059D-04	-7.469713D-06
25	A% 24< #	1.902321D-04	4.044476D-05	2.764312D-06

E = 7.00 eV, j = 5       $j' = j$        $j' = j + 2$        $j' = j + 4$

1	A% 0< #	6.637381D 01	1.046993D 01	1.972615D 00
2	A% 1< #	-6.948134D -01	-4.332821D -00	-2.247413D -01
3	A% 2< #	6.798119D 01	-6.263917D -01	1.006329D 00
4	A% 3< #	-3.179137D -01	-3.230934D -01	-7.175949D -02
5	A% 4< #	-2.377697D 01	2.230527D 00	1.371131D -02
6	A% 5< #	-1.184683D 01	-5.250123D -01	-2.908680D -02
7	A% 6< #	-2.318366D 00	-7.837947D -02	-1.194482D -01
8	A% 7< #	-1.397646D 00	-1.057355D -01	-4.185488D -02
9	A% 8< #	2.109314D 00	-1.719150D -01	-1.518773D -02
10	A% 9< #	1.732209D 00	-1.908646D -01	-1.731127D -02
11	A% 10< #	1.219401D 00	-1.757507D -01	2.960268D -02
12	A% 11< #	8.713527D -01	-9.995056D -02	-1.249786D -02
13	A% 12< #	7.660801D -01	-4.441202D -02	1.783769D -02
14	A% 13< #	5.836121D -01	-1.846318D -02	-2.309972D -02
15	A% 14< #	5.441448D -01	-1.563396D -02	1.550221D -03
16	A% 15< #	3.506360D -01	-1.331110D -02	-5.962382D -04
17	A% 16< #	1.770408D -01	1.295696D -02	-9.142988D -04
18	A% 17< #	9.339739D -02	-1.135313D -02	-4.589426D -04
19	A% 18< #	4.861497D -02	9.269878D -02	-1.431272D -04
20	A% 19< #	-2.548585D -02	-6.204922D -03	-1.213356D -04
21	A% 20< #	1.319164D -02	3.747105D -03	1.838494D -04
22	A% 21< #	6.505595D -03	-1.976376D -03	-1.391145D -04
23	A% 22< #	2.966005D -03	8.872945D -04	7.087578D -05
24	A% 23< #	1.096235D -03	-2.294508D -04	-1.423819D -05
25	A% 24< #	3.341998D -04	7.297762D -05	5.355240D -06

E = 8.00 eV, j = 5       $j' = j$        $j' = j + 2$        $j' = j + 4$

1	A% 0< #	7.422728D 01	1.281542D 01	2.214257D 00
2	A% 1< #	7.892621D 01	-6.155423D -00	-3.835723D -01
3	A% 2< #	8.782848D 01	8.066632D 01	1.212693D 00
4	A% 3< #	6.997972D -00	-8.790791D -01	-1.007868D -01
5	A% 4< #	-2.424206D 01	3.092440D 00	2.293337D -02
6	A% 5< #	-1.056973D -01	-6.390302D -01	-3.246622D -02
7	A% 6< #	-3.196708D -02	-1.153058D -01	-1.382564D -01
8	A% 7< #	-3.502366D -00	-1.303631D -01	-4.555405D -02
9	A% 8< #	3.726317D 00	-2.215879D -01	-1.747531D -02
10	A% 9< #	2.851347D -00	-2.434281D -01	-2.005971D -02
11	A% 10< #	1.960062D 00	-2.226484D -01	3.458333D -02
12	A% 11< #	1.376438D -00	-1.174686D -01	-2.197411D -02
13	A% 12< #	1.152712D 00	-5.479650D -02	2.173300D -02
14	A% 13< #	8.390352D -01	-2.746568D -02	-3.049255D -03
15	A% 14< #	7.706761D -01	-2.591348D -02	2.235592D -03
16	A% 15< #	4.947532D -01	-1.625095D -02	-6.819500D -04
17	A% 16< #	2.485237D -01	1.583216D -02	-1.091225D -03
18	A% 17< #	1.316347D -01	-1.422633D -02	-5.981960D -04
19	A% 18< #	6.898098D -02	1.191071D -02	-2.295945D -04
20	A% 19< #	3.645475D -02	-8.072449D -03	-1.334086D -04
21	A% 20< #	1.905398D -02	4.928837D -03	2.311810D -04
22	A% 21< #	9.519119D -03	-2.646122D -03	-1.824497D -04
23	A% 22< #	4.420909D -03	1.227082D -03	9.771955D -05
24	A% 23< #	1.690951D -03	-3.605278D -04	-2.385895D -05
25	A% 24< #	5.249550D -04	1.166700D -04	9.047892D -06

E = 9.00 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	8.218876D 01	1.522681D 01	2.484237D 00
2	A% 1< #	8.935594D 01	-8.359918D 00	-5.844766D 01
3	A% 2< #	1.096289D 02	2.955959D 00	1.458566D 00
4	A% 3< #	1.832356D 01	-1.668688D 00	-1.348575D 01
5	A% 4< #	-2.254033D 01	4.120963D 00	3.737815D 02
6	A% 5< #	8.172379D 00	-7.632852D 01	-3.496726D 02
7	A% 6< #	3.305659D 00	-1.604585D 01	-1.577224D 01
8	A% 7< #	6.292323D 00	-1.560057D 01	-4.956447D 02
9	A% 8< #	5.814464D 00	-2.750165D 01	-1.996728D 02
10	A% 9< #	4.285187D 00	-2.983084D 01	-2.271843D 02
11	A% 10< #	2.910389D 00	-2.714083D 01	3.956244D 02
12	A% 11< #	2.025966D 00	-1.336730D 01	-2.542193D 02
13	A% 12< #	1.638074D 00	-8.749681D 02	2.591135D 02
14	A% 13< #	-1.159066D 00	-3.642218D 02	-3.872200D 03
15	A% 14< #	1.041208D 00	-3.764513D 02	3.053283D 03
16	A% 15< #	6.678829D 01	-1.977358D 02	-7.578331D 04
17	A% 16< #	3.333184D 01	1.904940D 02	-1.276015D 03
18	A% 17< #	1.770058D 01	-1.747051D 02	-7.569905D 04
19	A% 18< #	9.326048D 02	1.492749D 02	-3.354095D 04
20	A% 19< #	4.960803D 02	-1.022587D 02	-1.420073D 04
21	A% 20< #	2.613317D 02	6.304553D 03	2.829992D 04
22	A% 21< #	-1.318813D 02	3.437181D 03	-2.321177D 04
23	A% 22< #	6.210333D 03	1.636455D 03	1.298957D 04
24	A% 23< #	2.432333D 03	-5.255659D 04	-3.654769D 05
25	A% 24< #	7.649930D 04	1.721646D 04	1.392584D 05

E = 10.00 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	9.031401D 01	1.762915D 01	2.773273D 00
2	A% 1< #	1.011878D 02	-1.094465D 01	-8.251841D 01
3	A% 2< #	1.327458D 02	5.823531D 00	1.739778D 00
4	A% 3< #	-3.386940D 01	-2.687231D 00	-1.732841D 01
5	A% 4< #	-1.839486D 01	5.291800D 00	5.772216D 02
6	A% 5< #	-4.483616D 00	-8.957115D 01	-3.592069D 02
7	A% 6< #	7.793221D 00	-2.114997D 01	-1.774702D 01
8	A% 7< #	-9.809869D 00	-1.032890D 01	-5.266661D 02
9	A% 8< #	8.400865D 00	-3.281616D 01	-2.266166D 02
10	A% 9< #	6.052428D 00	-3.509974D 01	-2.517037D 02
11	A% 10< #	4.082775D 00	-3.182678D 01	4.437787D 02
12	A% 11< #	2.829744D 00	-1.465208D 01	-2.872010D 02
13	A% 12< #	2.226937D 00	-1.106454D 01	3.031160D 02
14	A% 13< #	1.549478D 00	-4.413717D 02	-4.774520D 03
15	A% 14< #	1.357174D 00	-5.010503D 02	4.004918D 03
16	A% 15< #	8.719799D 01	-2.402862D 02	-8.197320D 04
17	A% 16< #	4.318680D 01	2.263469D 02	-1.467909D 03
18	A% 17< #	2.297079D 01	-2.109863D 02	-9.356372D 04
19	A% 18< #	1.215588D 01	1.832882D 02	-4.612311D 04
20	A% 19< #	6.500880D 02	1.267248D 02	-1.466656D 04
21	A% 20< #	3.446533D 02	7.879641D 03	3.391980D 04
22	A% 21< #	1.753430D 02	-4.353564D 03	-2.882065D 04
23	A% 22< #	8.346003D 03	2.117907D 03	1.675800D 04
24	A% 23< #	3.260299D 03	-7.259953D 04	-5.248288D 05
25	A% 24< #	1.056378D 03	2.399934D 04	2.005826D 05